

Worried neighbors

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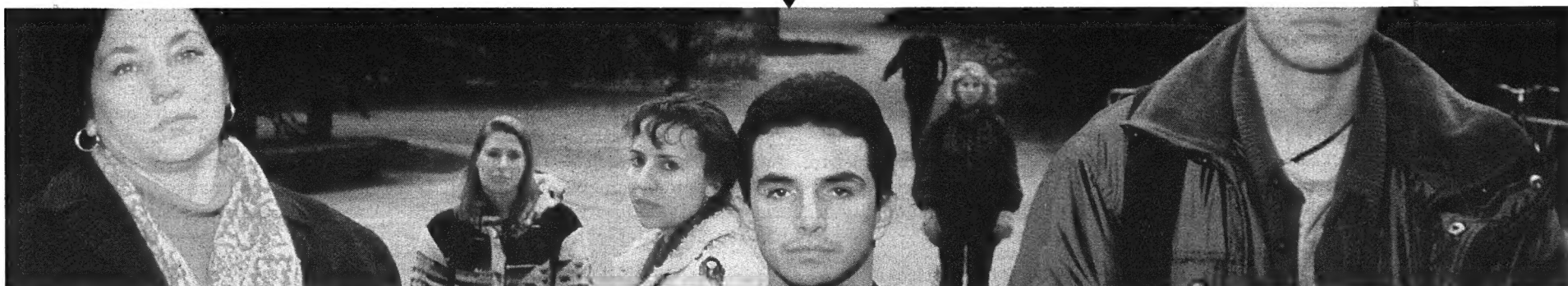
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Artist finishes her dream, a quarter of a century after she started

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UNIVERSITY OF ALBERTA

folio

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U of A attracts more research dollars

But faculty say other funding problems still need to be addressed

By Lucianna Ciccocioppo

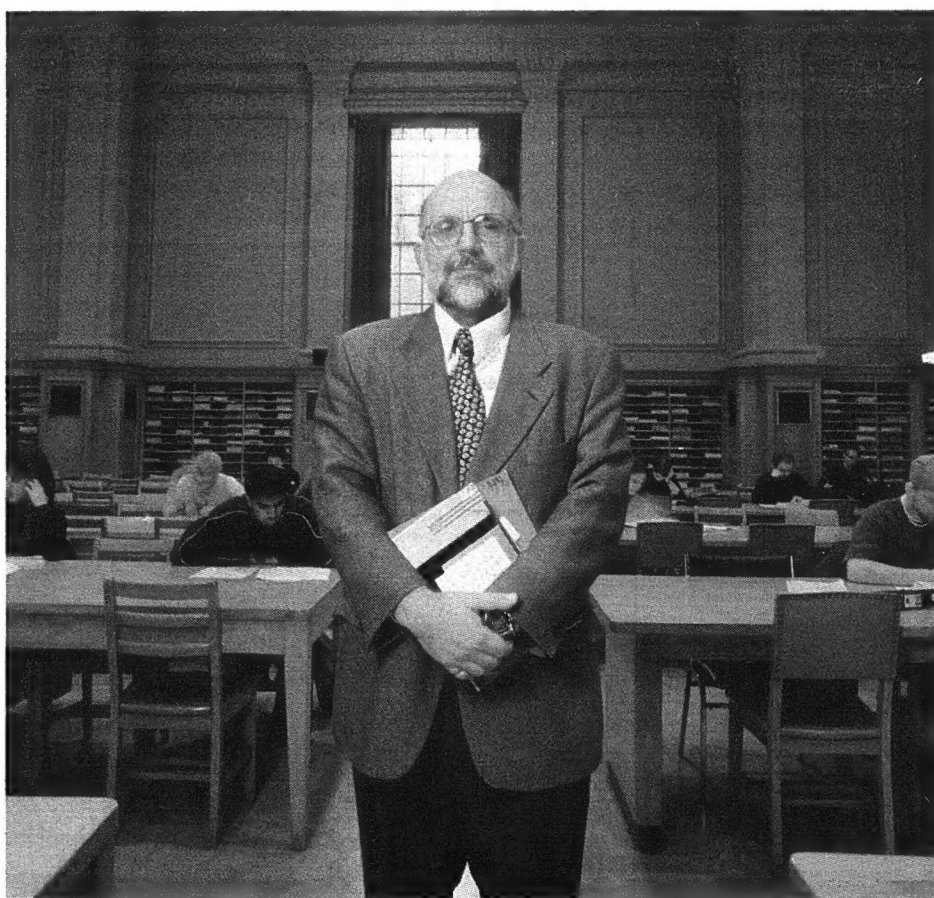
It was good news the president clearly enjoyed spreading: The University of Alberta is attracting more critical research dollars from national funding agencies making us fifth on the Top 10 of total annual payments received.

But while no one denied the importance of this accomplishment, some board members were concerned about how the news would be perceived by the public.

Charts and graphs of where the Top 10 Canadian universities stand, passed out at the board meeting, showed U of A funding for 1997-98 from the National Science and Engineering Research Council, or NSERC, was up 4.8 per cent over 1996-97, to more than \$27 million. This places us third next to the University of Toronto and UBC. From the Social Sciences and Humanities Research Council, or SSHRC, the U of A received \$5 million, up two per cent over the previous academic year, again placing us third after Toronto and Montreal. The Medical Research Council gave the U of A \$15.9 million in research dollars, up 1.9 per cent, the fifth highest amount.

"This kind of information attracts outstanding faculty," said President Rod Fraser at the November 6 Board of Governors meeting.

However, several board members were concerned this information may send a message of a different kind. "Some people might get the idea there are no problems at the U of A," said faculty representative Dr. Walter Allegretto. Sheamus Murphy, Students' Union president, said the internal community knows



Dr. Walter Allegretto in the periodicals library, an area he says needs more funding.

very well where the problems lie. He questioned the validity of such a ranking. While the U of A rose a few percentage points, some universities dropped dramatically. "One thing we should be careful about when looking at making such a list—we're on there because we're doing

well, not because other universities are doing worse."

Allegretto suggested an accompanying list of concerns with laudatory type of information. He gave examples of his concerns: lack of resources to provide technical journals in libraries and a broken eleva-

tor in the mechanical engineering building that's gone unrepaired for more than a month. "What are our handicapped students using? Could we please have a list of serious matters and not just considerable achievements of this university?"

Fraser said that's the mandate of the revenue enhancement task force: "We need to set down the resources we require for our students and faculty." A Top 10 list of concerns, said Fraser, is best served as an internal source of information. "The last time I saw that list, in 1994-95, it drove away outstanding students and outstanding faculty."

"Nobody wants to ride on a wagon with no wheels," said faculty representative Dr. Franco Pasutto, "but as for the revenue enhancing task force, I can see it generating some monies, but it's not the savior to bring in the kind of money from prior years."

Dr. Doug Oram, vice-president academic and provost, said the president raised the issue of more funds at the annual general meeting in October. "It's not as if it's not happening," said Oram. At the same time, Oram said it's important not to demonstrate "ill-will" towards the government. "It's a question of getting ourselves up the priority ladder." Currently, health care and kindergarten to Grade 12 are firmly at the top of that ladder, said Oram.

"I do think we're giving the message to the public but we have to do it carefully," said Oram. "Some specific issues have been taken to the government as part of a package." ■

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STILL BREAKING NEW GROUND



UNIVERSITY OF ALBERTA CELEBRATING 90 YEARS

Ensuring animals count too

Contributions to animal welfare recognized

By Lucianna Ciccocioppo

The annual Louis Hyndman Sr. awards recognized two researchers and a technician this year for outstanding contributions to the welfare of animals used in campus research. Dr. Warren Gallin, Dr. Donald McKay and Sandra Graham, a fourth-year biosciences student and senior technician, were honored at the Oct. 25 ceremony.

The late Louis D. Hyndman Sr., who had a keen interest in animal welfare, established the lecture and award event. He left a grant at the U of A to recognize those who have given exemplary care to animals used in research on campus. Since 1994, a researcher and technician have been honored for their contributions in improving the comfort and care of animals. They are nominated by their peers in the research community and selected by the University Animal Policy and Welfare Committee (UAPWC).

Dr. Gallin, in biological sciences, developed an inexpensive in vitro culture of primary pig skin for rapid testing of burn treatments as an alternative to much more invasive whole animal studies. This model greatly reduces the number of animals needed to test treatments.

Graham, a member of Dr. J.C. Russell's research group since 1986, contributed significantly to the welfare of laboratory rats, used in diabetes and heart disease research. She's been managing the technically demanding breeding program for many years, a critical area that impacts the productivity and quality of laboratory research.

Dr. McKay, director of Biosciences Animal Services, has devoted himself to animal welfare throughout the university. In 1995, he introduced a comprehensive course on working safely with animals, which also highlighted proper animal care. Because of high demand and popularity, the course had to be repeated. McKay has represented the

U of A nationally as an officer of the Canadian Association for Laboratory Animal Science and contributed widely to the education and training of animal technicians across Canada. In addition, he played an instrumental role in the Louis D. Hyndman Sr. forum and awards presentation since its inception. ■

Board Highlights

FINANCE AND PROPERTY UPDATE

Finance and Property Committee Chair Ed Makarenko wants the board to tackle the problem of eroding base funding head on and the board gave two thumbs up for his committee's proposal.

"Base funding is a fairly serious situation," said Makarenko. As a result, his committee asked the board to direct the community and government affairs committee to set up activities, processes and strategies to lobby the provincial government for increased base funding. It's something board members should be charged with 12 months of the year, added Makarenko. "We could have [the financial] problems of previous years," he warned.

In addition, the board approved the expenditure of \$17,350,000 for the design and construction of the new Telus Centre equipped with a 200-car underground parkade. Kasian Kennedy Architecture, Interior Design and Planning Inc. successfully bid as prime consultants for the project. In response to a question about the impact of the Telus-BCTel merger, Glenn Harris said it could change the name of the program, but all other commitments stand.

Other expenditure approvals include: \$500,000 to complete the design for the Faculté Saint-Jean residence project, with Cohos Evamy Partners selected as prime consultants; up to \$1.5 million for the new Poultry Technology and Hatchery, subject to verification of available private funding; up to \$573,000 for the completion of hu-

man ecology consolidation and up to \$356,500 for the completion of environmental engineering phase 2.

Y2K PROJECT GENERALLY ON TRACK, EXCEPT AT DEPARTMENTAL LEVEL

While the Year 2000 project is moving along, Glenn Harris, vice-president finance and administration says there are still some challenges, particularly at the deans and department level.

"We're not happy yet with the rate individual units have responded to that," said Harris, adding that the administrative systems renewal program (ASRP) and preparations for FOIPP have been onerous on individual units.

The other issue that has come to the fore is the impact of Y2K on investment strategies. "There are concerns with severe business disruptions," said Harris. There are preparations for contingency plans, explained Harris, so the university is buffered from huge fluctuations in the markets.

"ALWAYS IN CAMPAIGN MODE"

While there's no new goal for this campaign, said Dr. Roger Smith, vice-president research and external affairs, "We're always in campaign mode. It may not be quite so 'in-your-face.'" The U of A is at 97.62 per cent of the \$144.65 million goal, or \$141,211,536, to be exact. The campaign

officially ends in September of 2000. Future gifts, to the tune of \$33,025,363, have not been included in campaign figures.

"Clearly, we've had broad-based success, with some faculties more successful than others," said Smith. But, at this time, some have not realized their full potential, like pharmacy and pharmaceutical sciences, he said.

President Fraser said, just because the wish list of deans several years ago, and the advice from feasibility projects pegged the campaign goal at \$144.65 million, doesn't mean that's all the university needs. With the University of Toronto moving beyond their goal of \$400 million, and a recent, private \$50 million donation to UBC, the U of A has its work cut out for the future. "We will indeed be moving forward in that vein," said Fraser.

NEW DEGREE PROGRAMS APPROVED

As recommended by the educational affairs committee, the board approved a proposal from the Faculty of Physical Education and Recreation to establish a bachelor of science in kinesiology, to be implemented in 1999.

In addition, the board approved a proposal from the Faculty of Science to establish a bachelor of science with honors and a B.Sc. with specialization in animal biology. These replace the existing honors B.Sc. program and specialization in invertebrate biology. ■

Correction

In the last issue of FOLIO, we incorrectly spelled Dr. William A.S. Sarjeant's name. We apologize for the error.

folio

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...it makes sense

Support staff create business scholarship

By Geoff McMaster

Ever since immigrating to Edmonton from Nigeria at the age of 10, with her mother and two sisters, Efosa Emokpae has been grooming herself for business.

"Even in elementary school ... I knew I wanted to work in the corporate world," says the fourth-year business major, now 20. She admits the influence of television may have played a role in nurturing this predisposition. Oddly enough, however, it was never the money and glamour that appealed to her most—it was the power, and "being able to make decisions," she says.

While financial success may not be Emokpae's primary goal, there's no denying that money comes in handy paying tuition fees, which hasn't always been easy for her. This year the pressure will be eased somewhat, thanks to a scholarship offered by Faculty of Business support staff to an outstanding student in financial need. The staff pitched in to raise about \$375, which was then topped up by Dean Michael Percy for a total of \$750.

"I've always said we're here for the students, and if it wasn't for them we wouldn't have jobs," says department secretary Keltie Stearman. "I know that for us to give back is probably unusual...but there's always money going to technology, capital funds, this project and that project. I think we need more student scholarships."

Stearman and colleague Susan Robertson came up with the idea for the scholarship along with development officer Shannon Zwicker. Because staff work on the front lines, dealing one-on-one with

students on a daily basis, they're well aware "students are always in need of financing," says Robertson.

"When I talked to Efosa (to give her the news) she was so happy and grateful—it was just a very good feeling." Because support staff are not paid as much as faculty, she says, "we understand financial need ourselves ... so we wanted someone who would know the



Efosa Emokpae hoisted by a truly supportive staff

difference between having and not having it."

In addition to financial need and academic performance, however, candidates also had to demonstrate outstanding community service. Emokpae has served as social secretary for the Black Students' Association, and was director of entertainment for the new Edmonton Assembly of African and Caribbean Youth last year. She has also been a volunteer dance instructor for six years. ■

UNIVERSITY
OF ALBERTA
CAMPAIGN

The personal face of internationalization

Now that we know, what can we do?

by Lee Elliott

When Chile's former dictator Augusto Pinochet was arrested in Britain, you didn't have to look far to find U of A people who remembered how their lives had changed as a result of the his 1973 military coup. After the coup, much of Pinochet's ire was directed at university students and professors—the free thinkers—especially those he could tie somehow to the ousted leftist president, Salvador Allende. Most feared for their lives when they fled the country.

Today, professors and students are still under attack. This time, members of the Bahai faith in Iran. Dr. Redwan Moqbel, medicine, along with a group of concerned students and faculty is asking "that the university through whatever agency is appropriate, and at the highest level," protest the September raids on an Iranian Bahai university. Security officials shut the university, searched some 500 homes and offices, confiscated materials—photocopiers, computers and its 1,700 book library—and arrested the professors.

For Bahai students this university was their only choice. They haven't been able to attend Islamic universities since the revolution of 1979. In fact, the father of one U of A student, who spoke to Folio on condition of anonymity fearing reprisals against his family in Iran, says Bahai children are banned from all schools.

On a visit there last summer he encountered renewed hostility toward Bahais, much like that which forced him to leave the country after the revolution. Students in Iran could only express envy and remind

him repeatedly of how lucky his son was to attend a university where he could study beside people of all races and religions without ever being asked to declare his. It's a freedom that's unimaginable to them right now.

The university was started in 1987 and at its peak had 150 faculty members—some fired from other universities after the revolution, others professionals willing to pass on their expertise in medicine, dentistry, law and engineering.

In July, one Bahai was hanged, the first execution since 1992. Two others have been condemned to death.

Moqbel is a Bahai and while he was born in Iraq, his parents were Persian. But it's not that connection that makes this situation personal for him. "I have an appreciation of what that could mean, for faculty members to be fired from their jobs and not to be able to fulfil the one subject they have educated for and that is to educate others...It becomes very personal... I see this not as a religious issue. I would defend the right of any people who are desperately in need of being involved in an educational process and who are being

deprived of it through political decisions... So I see this as an ethical and educational issue."

Internationalization is a priority for the U of A. As a result, crises throughout the world become increasingly personal. But as a university, is there anything we can do?

Moqbel appealed to Dr. Sharon Jamieson, acting associate vice-president

(international), and executive assistant to the president, to put the university's support behind the cause of the Bahai university.

But while Jamieson said she's personally moved by the plight of the Bahai students and professors, "the university is a community," she says. And in this case to put the entire university's name behind the protest would require a

community decision. "I think the mechanisms are really in place." She says she'll explore a few avenues with Moqbel perhaps including an appeal to the General Faculties Council. But the key to an overall successful international strategy is the personal action—the power of one, says Jamieson.

IF YOU WANT TO HELP:

- Donations of money for Central American victims of Hurricane Mitch can be dropped off at the International Centre. Volunteers will also be setting up drop off stations across campus.
- To protest against the shut down of the Bahai university in Iran, write Mr. Federico Mayor, Director General UNESCO, 7, place de Fontenoy, 75352 Paris 07 SP, France, fax (33) 145 68 56 15, or Ambassador, His Excellency Seyed Mohammed Hossein Adeli, Embassy of the Islamic Republic of Iran, 245 Metcalfe St., Ottawa, Ont. K2P 2K2 Fax. (613) 232-5712.

» quick » facts



Dr. Redwan Moqbel

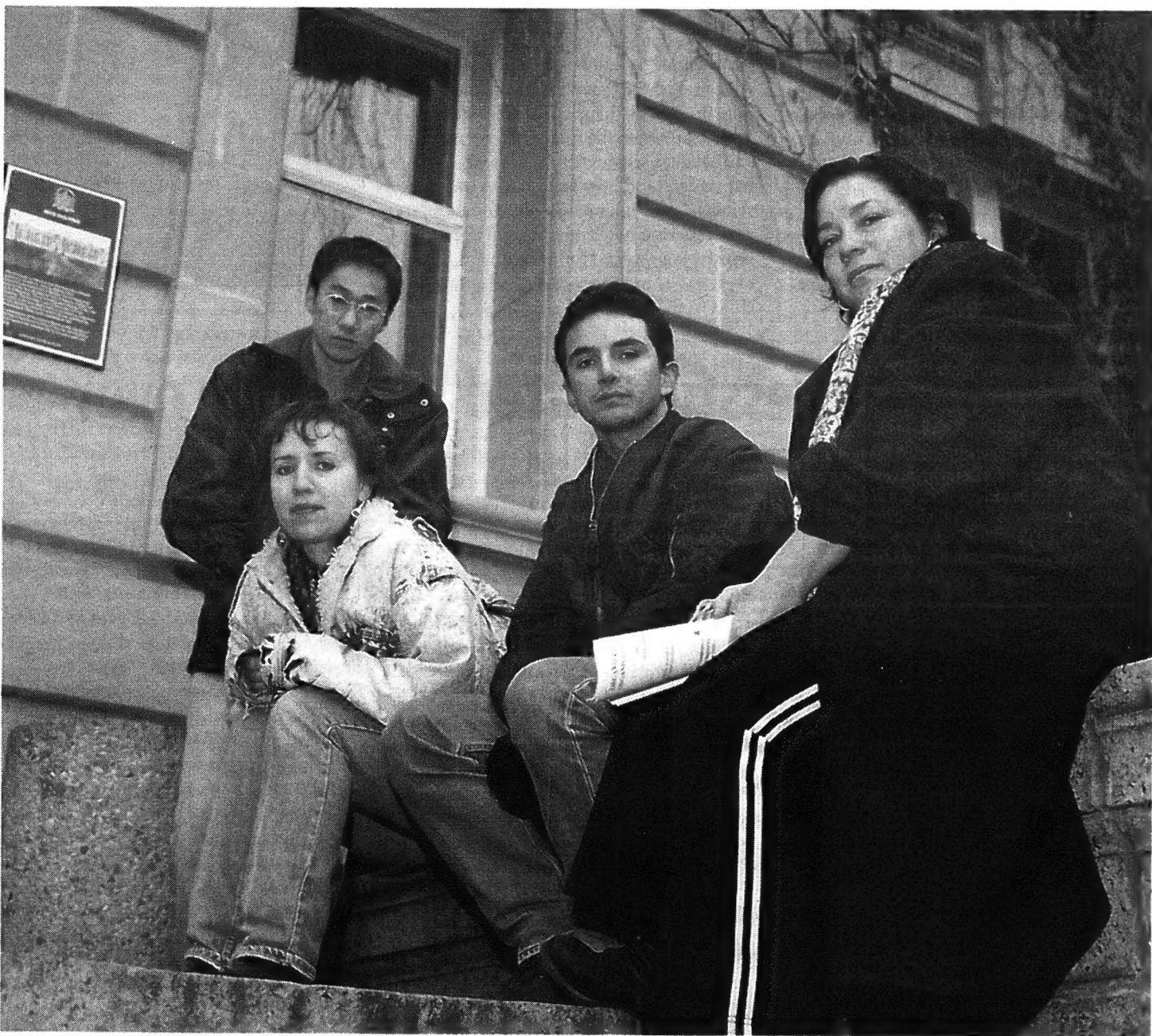
Nancy Hanneman, global education coordinator for the International Centre, says that "because of the nature of the university it is difficult to establish the university's view on a particular issue. I would hope, however, that the university will create a climate where global issues can be understood and where individuals will take whatever action they can to support various causes. We live in a global community and should feel responsible for each other's well being.

"I think we are obligated to understand the reality of people's lives around the world and to contribute to making the world a more just place for all the world's citizens. This involves examining many global issues—human rights, environment, peace and security, South-North relations, human sustainable development and so on."

Currently, the International Centre is supporting the initiative of SALSA, the Spanish and Latin American Students' Association, which is working in conjunction with the Nicaraguan Cultural Association, which in turn is working with the Canadian Red Cross Society—all to raise money for Central American victims of Hurricane Mitch.

"The university has a role in increasing an understanding of causes to problems and formulating solutions. I see this is a fundamental part of teaching, research and community service," says Hanneman.

Whatever form support for Bahai professors and students takes, Moqbel hopes it's strong and swift. "There needs to be a groundswell of opinion to influence [the Iranian government]," he says, because it's worked before. "The Bahai community faced a program of genocide in Iran soon after the revolution in 1979 and at least 220 people were executed because of their faith," says Moqbel. "They were basically given the opportunity to live if they recanted their faith even though they were accused of a number of other things falsely. The fact that the world community stood up, the fact that the United Nations made its views known that they cannot do this, that did influence the situation in Iran and executions stopped." ■



Computing your way to a job

By Roger Armstrong

Are you afraid of heights? Snakes? Spiders? Virtual reality may be able to help you. Therapy for phobias is just one likely application for the incredible computer technology showcased recently at Computing Science Days Nov. 3 and 4.

Up to 300 high school students, first-year university students and parents attended the event to find out where a career in computing science might take them.

According to department chair Dr. Randy Goebel, the answer might be, anywhere you want to go. "In principle I can sit at any one of these computers and I can change the world. I can take it over or I can make it better," he says. He adds there really are no limits to what can be done, and people are just seeing the tip of the iceberg with the Internet and connectivity around the world.

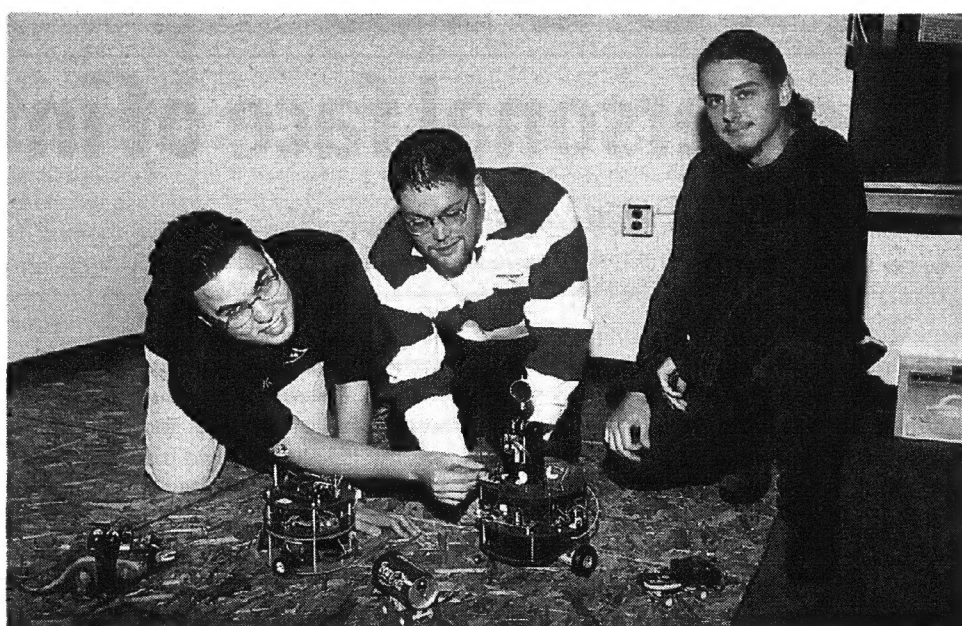
"There are lots of instances where our research takes 10 to 20 years to penetrate or turn up in products," says Goebel. And that's part of the excitement, he says, to be ahead of the market. With ever increasing demands on computers, the area of computing science reaches almost all other disciplines in one way or another.

The current recruiting cycle, and the demand for computing graduates, is even

more severe than in the early '80s. "I tell our students, 'I don't want to discourage you from working hard, but if you get out of our program and you are still breathing frequently enough to be classified as alive you will get a job and the job market is the world,'" says Goebel.

According to AT&T there is currently a shortage of about 346,000 B.Sc. level computing science graduates in North America. In addition, there is a shortage of about 250,000 support positions such as technologists and database administrators. And there is an estimated shortage of a half a million computer workers in Europe.

Goebel is not only concerned with students getting jobs. He also tries to communicate his passion for research to students. "We're not merely a department that trains first-year students about how to program in Java...we are a whole bunch of other things, including leading edge research," says Goebel. One of the goals of Computing Science Days is "to share [with students] some of this excitement, to carry away some of this excitement of what the research computer scientist on the lunatic fringe of computing is working on and why," says Goebel. There were a variety of



Third-year computing science students Nicholas Ho, Kit Barton and Andrew McNaughton playing with robots at last week's annual computing science open house.

displays and demonstrations at the open house. "We are excited about our research and its connection to the university and to the public," says Goebel.

For computer scientists the world is made up of only one thing, says Goebel—

information. He says the ability to manipulate and work with information makes this field exciting for students and researchers and beneficial to the public at large. It's nice to know there is a job out there at the end of it too. ■

Autobiographical sketches examine childhood sexual abuse

By Geoff McMaster

Dr. Janice Williamson had always asumed becoming a professor was a reasonably safe occupation. That's why she was struck with terror when her garden fence was torn down 10 years ago, and two years later she received death threats, all for teaching lesbian poetry in her English class.

Such extreme reactions to her work have ceased, but the trauma triggered a process of recovered memory even more disturbing.

"Those experiences really made me feel a powerful sense of fear that I didn't quite understand," she says. "I started exploring other experiences I might have had that elicit such fearful emotions...and the way in which trauma functions in one's life in a kind of repetitive way."

While examining old family photographs, Williamson began peering intently and deliberately into the shadows, so to speak, behind the "socially coded system of representation" we recognize as the family snapshot. "I saw all these elements that were suddenly unpacked and seemed to tell a different story," she says.

What lay concealed was a narrative of her own childhood sexual abuse, one she tries to come to grips with in her new book, *Crybaby*. Graphically striking, and composed of loosely connected prose "snapshots," dream sketches and poetic fragments, this unusual autobiography is also an attempt to put one kind of narrative of suffering into a critical context.

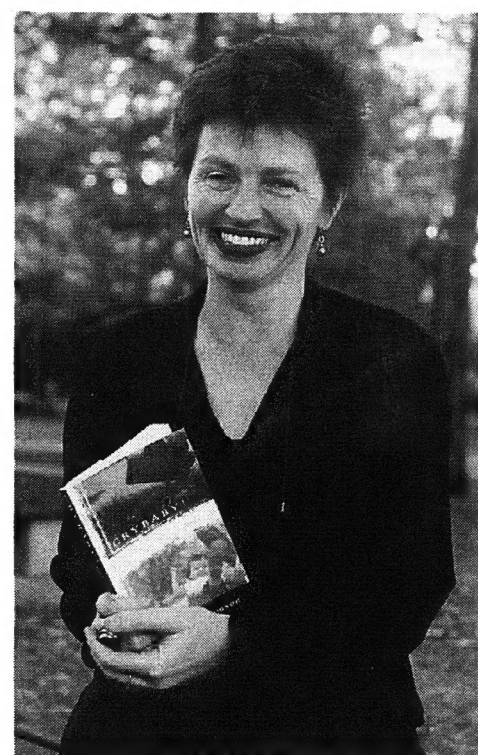
Williamson delves into her own painful history, but she connects it everywhere to the stuff of her trade: French literary theory, women's autobiography and Freudian psychoanalysis. Ultimately she questions how our culture responds to, or refuses to respond to, the "crybaby's" confession. Revelations of abuse become a kind of popular "spectator sport," but are simultaneously regarded as taboo.

"People can study the representation of violence, or they can speak about it in a certain way, but there are real limits," says Williamson. "Even now when people would say there's a proliferation of these narratives, it's interesting to look at how

they are constructed to in some ways incapacitate action on behalf of children."

Williamson's creative reflection began at the Banff Centre in 1991 when she was a residence guest writer. In a beautifully secluded mountain cabin, she began composing what seemed like an innocuous passage about a childhood shopping excursion with her father to the local Hudson's Bay store he managed. While writing, she suddenly felt ill and was unable to continue.

Later a shocking pattern began to emerge from the passage she'd written. As the memories crystallized, Williamson was forced to struggle with the relationship between incest and her father's suicide. Although she was never able to confront him about what happened, since he was long dead when the memories returned, she believes writing *Crybaby* has helped her understand how trauma can unconsciously determine one's life, and how remembering helps one reclaim it. She now feels prepared for parenthood, she says, and is in the process of adopting a child from China. ■



Dr. Janice Williamson

AVP bald thanks to most successful United Way drive ever

University surpasses goal by more than \$30,000

By Geoff McMaster



Sandwich artist Shannon Sotski - Pandas wrestling

Associate Vice President (External) Dr. Terry Flannigan is officially bald today.

That's because he agreed to shave his head should the campus United Way Campaign raise \$250,000, the previous record. The total is now at \$255,000 and climbing, he says, well beyond this year's goal of \$225,000.

"I've always wondered what it would be like to be bald," says the campaign co-chair, retiring this month. "Everybody tells me it grows back. If it doesn't there are a lot of people who are going to pay for this experiment...but it's for a good cause."

At the close of the 1998 campaign, the university will have raised somewhere between \$260,000 and \$265,000, says Flannigan, "and that is enormous." That

total will make a substantial contribution to the overall Edmonton goal of \$10 million, he says.

While the participation rate was lower than Flannigan would have hoped at about 16 per cent, "those who came to the table came to the table big." He attributes the campaign's success to a number of large donations. In fact, the average gift size was among the largest in Canada at \$300.

The U of A also has 157 Merrill Wolfe Leaders (those donating at least \$600), 45 of them stepping up for the first time this year. "That's more new leaders than any other corporation in the Edmonton area has leaders," says Flannigan. "We made a special effort this year to get people involved at the leadership level." ■

RECENT CONTRIBUTIONS:

- University of Alberta Bookstores and Faculty of Education book fair: \$1,600
- Aramark Campus Services and Faculty of Physical Education and Recreation Super Sub Day: \$718
- Faculté Saint-Jean Students' Association bake sale and raffle: \$127.85
- Administration Building holding 50/50 draws on three Fridays: so far \$77.50
- Delta Gamma Fraternity "Anchorsplash": portion of proceeds
- Upcoming
 - Dec 3, Graduate Students' Association holiday celebration
 - Dec 4, Business Students' Association fashion show
 - Nov 30-Dec 23, Forest Society selling Christmas trees: 10 per cent of proceeds to United Way

Neighbors oppose development of university farmland

U of A assures consultation in decisions for farm-land development

By Lucianna Ciccocioppo

More than 300 people crowded St. Paul's United Church Nov. 9 on Edmonton's south side for a tense town hall meeting on the prospect of development at the Edmonton Research Station, located south of 71 Avenue and west of 113 Street and commonly known as the university farm.

Jamie Fleming, associate vice-president (operations and physical resources), and Glenn Harris, vice-president (finance and administration), answered questions from an audience of neighboring communities, most convinced a recreational and sports complex proposed to the university by the Faculty of Physical Education and Recreation was about to become a reality. They fear losing their green space and the transportation problems that might result.

But that proposal is only one of four options the university is considering, said Fleming. Further development for the Faculty of Agriculture Forestry and Home Economics is an option as is consideration of other university expansion to meet the expected influx of 5,000 to 7,000 students from the "Echo" baby boom. The final option to consider would be reserving the land for development in the long run, while exploring selective lease options to bring in revenue in the short run.

"No decisions have been made," said Fleming. "There have been internal discussions but no decisions." A Board of Governors meeting Nov. 6 approved only the strategic framework of the four proposals.

Both Fleming and Harris assured the audience they'd consult extensively with community representatives once the university chooses an option that best meets its needs. They've agreed to meet with community representatives at least four times a year. They'll present conceptual plans in the planning stages, before they're adopted, and review any concerns before moving to the design stage. At that point, they said they will ask for input on specific aspects of development.

But there were many skeptics in the audience. "I'll know you'll listen but will the words be heard?" asked one member of the audience.

Many people waved maps of the recreational and sports complex expressing concerns over snow removal and parking. When community members first saw the New Century Campus proposal—a task force report—the community leagues of Belgravia, Grandview, Lansdowne, Lendrum, Malmo, McKernan and Parkallen formed the University Farm Neighbours Alliance (UFNA) to fight New Century Campus.

UFNA spokesperson Kathie Brett said she was not for or against any particular proposal, but rather was concerned about the lack of regulation and control over the farm. "If you look at the proposals, some things can be a great thing for the university and the city. Some things are a disaster. It all depends on how we deal with the

process," she said. "We don't want to be asked 'Do we want to paint the stadium yellow or blue?' We want to be asked 'Do we need a stadium?'"

U of A professor and neighborhood resident, Dr. Hans Machel, said there's absolutely no need for a sports complex. "I'm dead-set against it." Machel cited under-use of the current stadium and Butterdome and lack of resources at the university for such a development. "I happen to think [the proposal] should die right here and right now," said Machel to loud applause.

Dr. Craig Bentley, a former dean of agriculture, wondered if land titles had been checked. "Was the land not given in perpetuity for agricultural research?" A review at the time of the Michener Park residences development indicated there was no evidence of any caveats attached to the farm land, Fleming responded.

Lance Adamson, who lives in Lendrum, thinks a recreational and sports complex would be a great idea. "The city of Edmonton is in desperate need of play spaces for amateur athletes. There's not enough quality soccer fields and track and fields," said Adamson.

"The forum served as an opportunity for both the U of A and residents of the communities to articulate concerns and share information," said Liberal MLA Linda Sloan (Edmonton-Riverview), who organized the town hall meeting for her

THE UNIVERSITY OF ALBERTA IS CONSIDERING FOUR OPTIONS FOR CAMPUS SOUTH:

1. Expansion to meet the needs of the Faculty of Agriculture, Forestry and Home Economics, particularly the Department of Agricultural, Food and Nutritional Science.
2. Expansion to meet the university's recreation needs, including potential opportunities resulting from a successful bid for the World Track and Field 2001 Games. (The New Century Campus proposal forms a basis for this discussion.)
3. Other expansion to meet the short and long-term teaching and research needs at the University of Alberta.
4. Reserving land for future university and university-related uses—particularly for providing space to commercial research partners—while, in the short term, examining opportunities for selective leasehold development for non-university purposes.

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constituency. More important, Sloan added the driving force behind the whole development issue is whether the university is being adequately funded, something the government has not focused on enough at this stage. ■

opinion

Guest column

Freeze in the Dark? Us? How could this be?

By Dr. Allan A. Warrack, Professor of Business

Remember that naughty 1970s slogan "Let the Eastern 'f%^&* freeze in the dark'? We ought to forgive our Ontario brethren for relishing the 1990s news that Alberta may be short of electric energy this winter, and next, and maybe even the next. How can this be? Is it a most devious application of Murphy's Law? Or is something really wrong? Let's look.

Alberta's electric power system supply primarily is fuelled by coal; we are fortunate our coal is relatively clean, being low in sulphur content. Water power (hydro) is a limited energy source in Alberta. Natural gas is significant, especially in Edmonton and Medicine Hat. The largest generator of electric energy in the province is Transalta Utilities with about a 60 per cent share; Alberta Power and Edmonton Power are the other major sources. Co-generation is increasingly important, but it is done in conjunction with industrial activities such as petrochemicals and forestry. Wind and biomass sources of electric energy are small and developing slowly. In addition to demand growth, in our climate we have seasonal volatility and daily "peaks" in electricity requirements.

Alberta is awash in energy resources. Apart from the tiny piece of the Canadian Shield cutting a notch over the northeast corner of the province, literally any time an Albertan looks at his or her shoes that person is looking in the direction of coal. We have oil, natural gas and bitumen in abundance too. Less recognized is that Alberta is the home of world-class energy expertise, no less so in the electric utilities

sector—including the companion human resources. Sounds like a formula for success. Indeed Alberta has a history of reliable and assured electric energy power supply for consumer, industrial, rural and public services needs. That is, up until now. What happened?

Perhaps assuming an analogy with the telecommunications sector's successful deregulation, where space-collapsing technology has permitted revolutionary competition and changes in services deliveries, electric power deregulation for Alberta was announced in 1994. Then what? The devil is in the detail! The essential details "have been evolving." How will the new system work? For example: rate structuring, rules for new competitors, tracking new investment into rates of return that repay debt and provide shareholder dividends. Uncertainty and risk kills investment. So utilities companies and their financing sources are not foolish enough to risk investment where the rules are not clear. That is what many are saying about investment prospects in Russia! If I were in utilities management, or a member of such a board (I'm not), I would reach the same investment conclusion.

The problem is not deregulation *per se*. The issue is practicality, and it may be that deregulation is a practical problem in the case of the electric power in Alberta. What-

ever system you choose, the details and rules of the game must be clear to elicit necessary investment from anywhere, including the taxpayer. As management guru Peter Drucker says: future planning is *not* about future decisions, it *is* about the future of today's decisions. Maybe electric power deregulation can work, who knows? What's for sure is that *no* system

works reliably and cost effectively without having the "ducks in a row." Traditionally a government role in the economy is one of mitigating risk; unfortunately from time to time government becomes a source of risk.

Economic growth is being blamed. That is strange. Hard work is done by many entities such as Economic Development Edmonton (and the province's Alberta

Economic Development Authority) to enhance and facilitate growth and prosperity. The University of Alberta works hard to be an engine in creating economic value. Economic growth is a way to cope better with government debts/deficits and still have the affordability basis to provide current health, education, social and public services. I am among the vast majority who thinks economic growth is a solution, not a problem. Incidentally, economic growth in the 1970s was more rapid than now without a shortage of electric power.

What are the bare bones of problem identification? (1) Over recent years elec-

tric power demand has been growing steadily and supply has been lagging behind; as reserve capacity (slack) narrows in our enlarging economy, the system becomes more *vulnerable* and (2) Future supply additions now planned are either small or co-generation facilities; without large base-load supply additions, Alberta electric power users will be saddled with long-term amortization periods of needlessly high *costs*. Co-generation supply to the Alberta grid is for emergency circumstances. As these supply diversions become frequent and even routine, these industrial operations have higher costs imposed on them and the "Alberta Advantage" is eroded. Because Alberta has limited hydro-based generation, our power rates already are relatively high. While conservation measures are important, progress is slow because changing human behavior is necessary. New pricing mechanisms are needed to enhance electric energy conservation decisions by users. Because these gains are small and slow, it is urgent that Alberta have lower-cost base-load additions to our electric energy supply system now.

It is more important to fix the problem than fix the blame. I hope Premier Klein will heed the call for an "Electric Power Summit" where all facts from all perspectives can be put on the table transparently and without intimidation. Days are getting shorter, and the weather is bound to get colder, and our assured brutal cold snap has not yet happened—December would be a good month for such a summit. ■

What's for sure is that

no system works

reliably and cost

effectively without

having the "ducks

in a row."

"Hardrock" Allan, Alberta's first provincial geologist

John A. Allan (1884-1955)

By Geoff McMaster

When Dr. John Allan became a professor in the early '20s, the job required calloused hands, sturdy legs and no small measure of grit—at least in his chosen discipline. In our age of computer simulations and analyses, it's easy to forget that geologists once worked mostly with hammers, diamond saws and chisels, hiking into remote areas of the wilderness to get at the stuff of their trade.

Geology was so dangerous in those days that Allan almost lost his life surveying the bank of the North Saskatchewan river in the summer of 1925. His boat struck a rock and capsized 32 kilometres out of Rocky Mountain House, tossing \$500 worth of equipment overboard—a small fortune at the time.

Yet it was precisely "Hardrock" Allan's adventurous spirit that pointed us towards the most lucrative of Alberta's natural resources. He conducted the original survey of the Drumheller Coal Field in 1922, and published the first map of Alberta's coal fields, today updated regularly by the Energy Utilities Board. In 1925, he published the first geological map of Alberta, a milestone in the history of the province. The prosperity Alberta enjoys today owes much to Allan's studies of coal, oil and natural gas.

You could say Allan had his eye on rock since the day he came into this world. He was born in Aubrey, Quebec on the west side of the Chateauguay valley in a post-glacial marine basin. Raised on a farm very close to the Champlain fault, he found himself enchanted by the unique structure and drifted naturally into the study of such formations. He graduated from McGill University with an arts degree (specializing in geology) in 1907, went on to earn his masters in science the following year, and received his doctorate from the Massachusetts Institute of Technology in 1912. His thesis, published by the Geological Survey of Canada as *Memoir 55*, examined the geology and petrography of the Ice River Region in the Field area of the Rockies. Allan fell in love with the mountains doing this research, and the passion would remain with him for the rest of his life. He became an exceptional and fearless climber; according to his graduate student, Dr. Charles Stelck, "there was no place he wouldn't go."



Dr. John Allan

Henry Marshall Tory, the university's founding president, hired Allan to start a geology department at the University of Alberta in 1912. The young professor was made head of the department the following year, and held that position until his retirement in 1949. During his 37 years in the department he amassed a huge collection of fossil and mineral specimens, as well as a number of native artifacts, creating one of the best geological museums in the country. According to engineering historian George Ford, Allan "carted rocks from every area of Alberta to the upper floor of the Arts Building," overloading it to such an extent that cracks began to appear on the building's exterior. He also meticulously documented his more than 30 field trips with photographs. The University Archives hold almost 7,000 of his negatives.

Throughout his career, even when it wasn't obvious, he remained convinced Alberta's economic future lay in natural resources. In 1920, based on information Allan submitted, the provincial government appointed him and four others to form a "Scientific and Industrial Research Council," now the Alberta Research Council. He also founded the Alberta Geological Survey, as "the first provincial geologist living and working in Alberta," says Willem Langenberg, currently with the Survey.



Allan in the field

Allan's survey work included huge expanses of territory in both British Columbia and Alberta. He conducted surveys at Lesser Slave Lake, as well as along the North Saskatchewan, the Red Deer, and the South Saskatchewan rivers all the way to the Saskatchewan border. He also surveyed the land between Golden and the mountains east of Banff. As a consultant, he worked for the Calgary Power Company, submitting the geological profile for the Spray Lakes water power project and the Ghost River project.

Allan's enthusiasm for his work continued into his retirement in 1949, with more than 100 research papers under his belt. But that drive took its toll on his health in later years and he was forced to slow down. When the geographic boards of Alberta and Canada named a mountain in the Rockies after him in 1948 (site of the 1988 Olympic Winter Games), he expressed regret at not being able to take in the scenery from its summit. He died of a heart attack in his Edmonton home in 1955. ■

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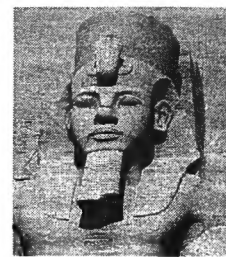
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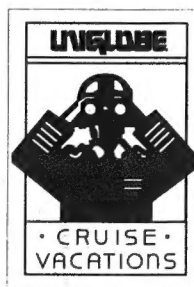
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Two to receive honorary degrees at fall convocation

CLAUDE RYAN

A professional journalist and a political, educational and social activist, Claude Ryan is a remarkable Quebecer and Canadian.

A promoter of education in all its forms, with a particular interest in life-long learning, Ryan was first introduced to this field through his early work with Catholic youth organizations. He was general secretary of L'Action catholique canadienne (1945-1962), president of L'Institut canadien d'éducation des adultes (1955-1961), chairman of a Working Group on Adult Education for the Youth Ministry of the Government of Quebec (1962-63), and a member of the Board of Trustees of the United Nations Institute for Training and Research (1964-1971).

As editorial writer and later editor and publisher of the influential daily newspaper *Le Devoir* (1962-1978), Ryan played a leading role in political debates on the Quebec and Canadian scene. In his many articles, he promoted necessary reforms in Quebec society, was an advocate for a strong and united Canada, and stressed the need for a Canadian federal system better adapted to the realities of the day, in particular the new aspirations of modern Quebec. His writings earned him several awards, including the National Daily Newspaper Award for Editorial Writing (1965), the National Press Club Award (1965), and the Quill Award of the Windsor Press Club (1971). He was appointed to the Canadian News Hall of Fame in 1968.



Claude Ryan

Ryan was leader of the Quebec Liberal Party from 1978 to 1982 and leader of the Official Opposition in the National Assembly from 1979 to 1982. He led the "No" forces in the referendum on Quebec's constitutional future in 1980. He represented the riding of Argenteuil in the National Assembly from 1979 to 1994. As a member of the Quebec Government from 1985 to 1994, he served in a variety of portfolios, including education, higher education and science, public security, municipal affairs, housing and the administration of the French Language Charter.

Ryan has been honored for his work defending human rights and fostering improved relations between cultural communities. He received the Human Relations Award from the *Council of Christians and Jews* in 1968 and the *Jewish Labour Com-*



Robert Hall Haynes

mittee Award in 1969. Widely known and respected in both French and English Canada, Ryan was made a Companion of the Order of Canada in 1996.

ROBERT HALL HAYNES

Professor Robert Hall Haynes of Toronto, a distinguished research biologist, has had a long and celebrated career as a leader in research and scientific policy in Canada.

A fourth-generation Canadian born in London, Ontario, he graduated in mathematics and physics (1953) and biophysics (1957 PhD) from the University of Western Ontario. He is now Distinguished Research Professor of Biology at York University.

In the mid-'50s Dr Haynes joined a small but historically significant movement of physicists into biology that had begun, primarily in Germany and Britain a few

years before World War II. These migrant physicists were to play a seminal role, out of all proportion to their numbers, in the advent of molecular biology and genetic engineering, fields that continue to spawn amazing practical advances in medicine, biotechnology and plant and animal breeding, as well as basic biological research.

Haynes is best known for his pioneering research on the ways in which cells are able to repair the many types of damage that chronically afflict the genetic material (DNA) of all organisms. During the past 30 years there has been a veritable explosion of research worldwide on DNA repair, and this, in turn, has led to important breakthroughs in understanding cancer, certain genetic diseases, aging, speciation and sex, as well as the biological effects of exposure to radiation and mutagenic chemicals.

He is strongly committed to the promotion of science education and research as critical factors in economic and social development, and has served the Canadian scientific community in many capacities. As a member of the National Research Council of Canada, he was effective in championing the funding for molecular biology as a discipline.

In 1995 Haynes was named the 104th president of the Royal Society of Canada. He has received numerous awards including the Royal Society of Canada's Flavelle Medal, the Biological Council of Canada's Gold Medal and the Genetics Society of Canada's Award of Excellence. In 1990, he was made an Officer of the Order of Canada. ■

Graham Lowe heads national think-tank on work

By Geoff McMaster

As the nature of our working lives continues to change radically on the brink of the 21st century, Dr. Graham Lowe will play a direct role in helping both employees and employers in Canada adapt.

The U of A sociologist has been appointed director of the Work Network, a branch of the Ottawa-based Canadian Policy Research Networks (CPRN). The networks are an interdisciplinary think-tank of researchers, policy makers and graduate students examining a number of issues concerning work, family and health. Lowe will be on a two-year leave to supervise research that will shed light on the extent of work transformations and their effect on the social fabric.

The findings of these projects, costing about \$700,000 per year, will be fed directly to both public and private policy makers.

"What's the significance of all this non-standard work that's been created

over the last 20 years for the way [employees] live their lives and the kind of relationship they have with their employer?" says CPRN president Judith Maxwell. "It didn't take me long to realize that Graham Lowe was the best person in the country to explore this."

Lowe is the U of A's top authority on employment trends, currently conducting a huge study of government work at the federal level, as well as in Alberta, Manitoba, Ontario and Nova Scotia.

The good news, he says, is that tomorrow's job scenario is probably not as grim as some media accounts and economic gurus have suggested. But neither will global economic change necessarily bring widespread prosperity.

"We're quite critical of the school of thought that says technology is destroying jobs right across the global economy... we're equally critical of those futurists who argue changes in the

economy are creating all sorts of new opportunities for people."

"Our point is, the direction work is headed depends very much on the decisions made at the public policy level by employers, by workers, by unions. We need to have a debate on the direction we want to go."

There are a number of trends society and government must face squarely to ensure the future of work, says Lowe, such as high unemployment, the spread of non-standard forms of work, and the polarization of incomes, job conditions and work hours.

All of this has meant a redefinition of the relationship between employer and employee. Those fortunate enough to still have full-time permanent positions, for example, are forced to work much longer hours than they used to without compensation.

"In a sense, the implicit employment contract has been rewritten," says Lowe, "because of all the downsizing and the cutbacks. We don't know what implications this has on people's quality of life or organizational issues."

"Nowhere is it written that people are supposed to put in an extra 10 hours a week, but on average many managers and professionals are putting in a lot of extra unpaid work—it becomes the new expectation." An additional expectation is that employees provide for their own training and professional development, says Lowe.

But he says there is also a "real convergence" between the interests of employers and employees in areas such as job quality. "A good work environment is directly related to productivity."

"We really need to move employers away from jumping on the latest cost-cutting strategies when looking at human resources." ■

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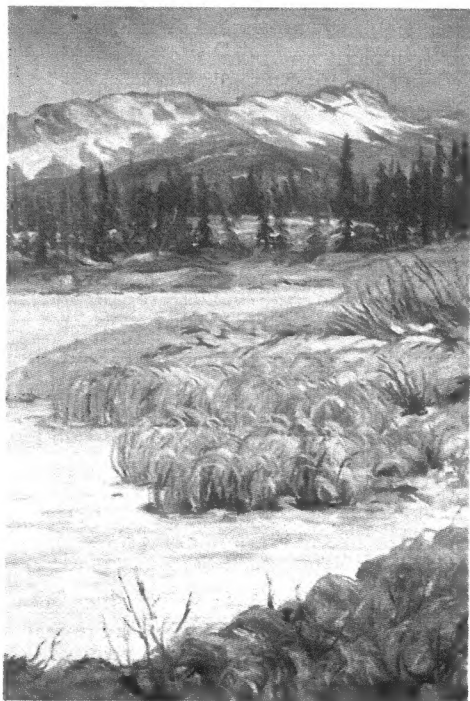
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From "Sunday painting" to showcase

Artist finishes her dream, a quarter of a century after she started

By Lucianna Ciccocioppo



Grass at Tabolt Lake



Roche Miette

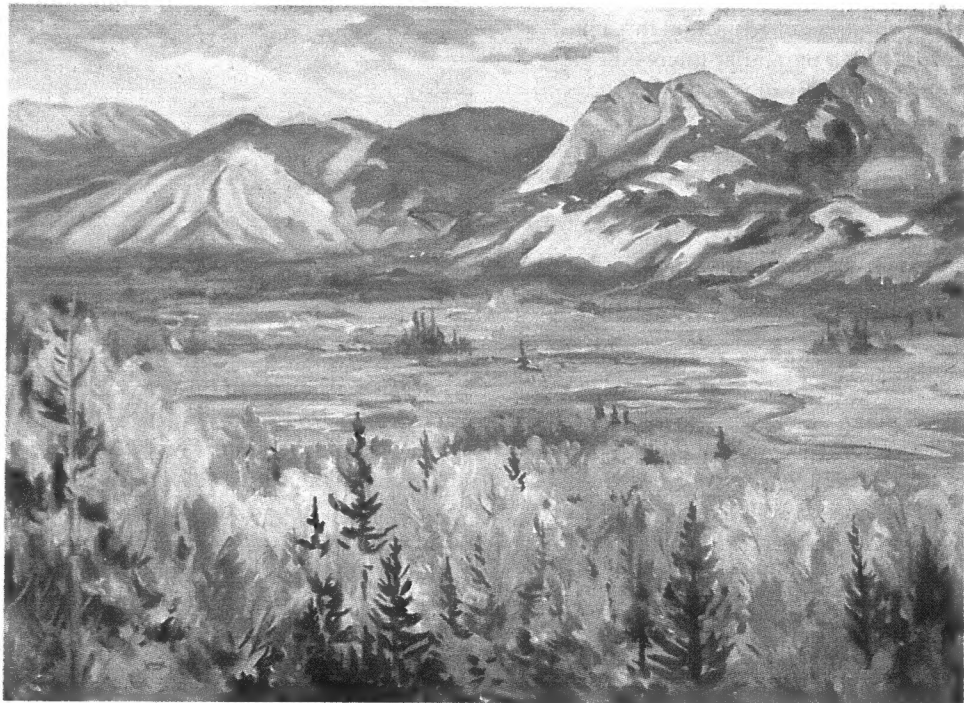
It started off in Hinton, Alta., in 1972 as a night out—and time out—from her coal-miner husband and two little girls. "We met in the community centre, we met in the arena, in church basements—wherever we could find the space," says Linda Wadley.

What she and her friends were looking for was a place to sit down, draw, paint and absorb the knowledge imparted to them by travelling instructors from the University of Alberta's Faculty of Extension. It was part of the arts certificate program. And if people in rural Alberta couldn't take classes in extension, then the extension classes went to them.

Sometimes it was a weekly lesson, or monthly, or maybe a two-day workshop then nothing else for awhile. That left Wadley many a cold, winter month to finish up her assignments and progress to the next level as her artistic talent developed. ("I've always had it. I can remember in Grade 5 getting 'H' for honors in art.")

An unexpected cancellation of the travelling tutors in 1976 was a disappointment, says Wadley. "I felt cheated." Raising a family and running a hairdressing business meant commuting to Edmonton for classes was impossible. But in retrospect, it was probably the window of opportunity that helped her pursue her dream.

"I asked Harry Savage, the printmaking instructor, for advice and he told me, 'Just go for it—just paint!' " And that's what she did. She took as many other courses as she could and joined the Hinton Art Club. But it was clear Wadley needed more to feed her passion.



Athabasca River Valley

She attended the Emily Carr Institute of Art and Design in Vancouver for a stint, took classes in Grande Prairie and Red Deer, and broadened her horizons by heading over to the land of art itself: Italy, specifically Florence and Rome. With a sigh filled with memories, she says: "It was wonderful!"

In 1991, the family moved to Folding Mountain Village, just outside the Jasper park gates, near the Overlander Lodge. "It's perfect for me," says Wadley. She just steps out her back door and visually drinks in her subject: landscapes.

And that's when she quit her "Sunday" painting. "I sold the business. I wanted to be a full-time artist," says Wadley. Now, she has a studio and annual open house to sell her

"moods and motion art," which range in price

from \$145 to \$1,800.

Meanwhile, the Faculty of Extension's visual arts and design certificate was resurrected in 1997 and Wadley was one of the first to register again. Thanks to a grandfather clause protecting past participants and a juried review of 25 years of her work, Wadley can finally complete her certificate. "I always have to finish and complete things. I had that chance, so I took it. It's a big thing for me."

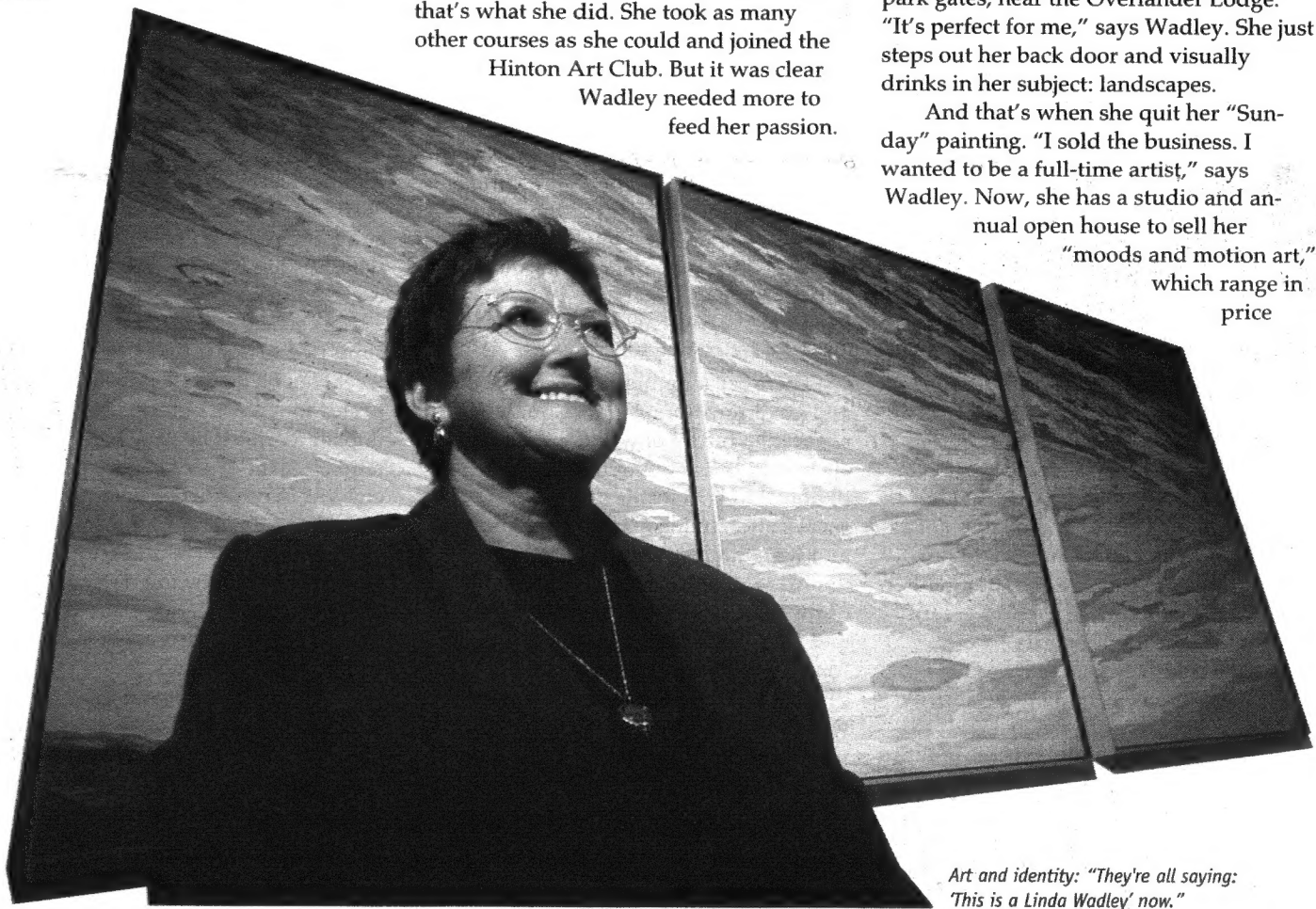
Thirty of Wadley's pieces over the last year are now on display in the University Extension Centre until Dec. 15, 1998. The exhibition, her first foray in a big city, is part of her last advanced project. If the five-member jury is satisfied, Wadley can finally receive her certificate—26 years after she first started it. And that's okay by her.

"I've got the best that I can do in my life at this time," says a happy Wadley, now 53, who calls her work "Impressionistic."

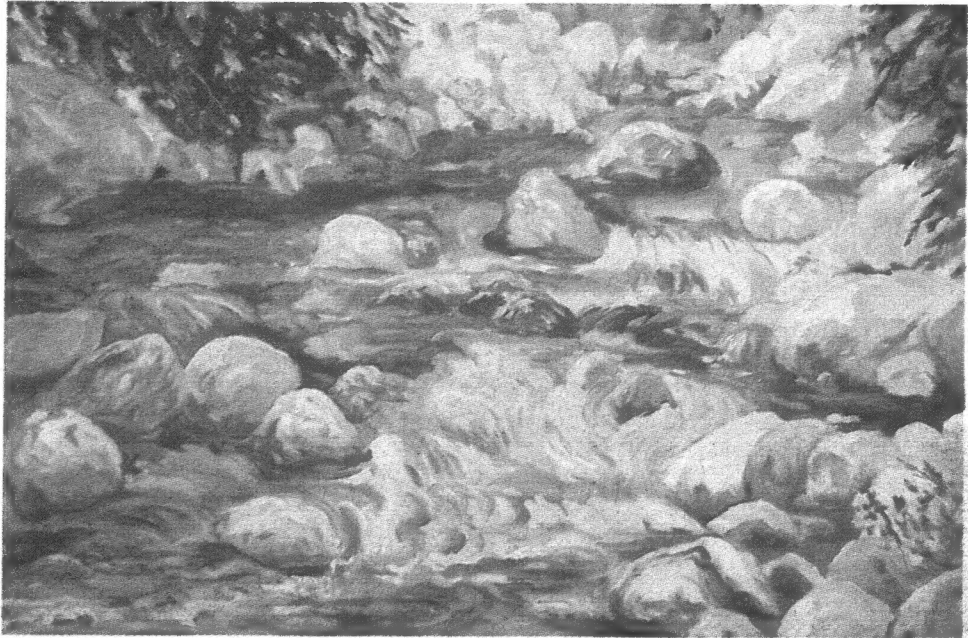
"Active and colorful" is how Alfred Schmidt describes it. The director of the fine arts program in extension says a piece of paper won't make or break an artist's career. "It's what you can do," says Schmidt. Nevertheless, art classes can teach one to see things differently, he says. After all, "Michaelangelo said we can also draw with our minds not only our hands."

It's taken almost three decades but Wadley says she's reached a level of comfort and a sense of identity in her works. "They're all saying: 'This is a Linda Wadley' now."

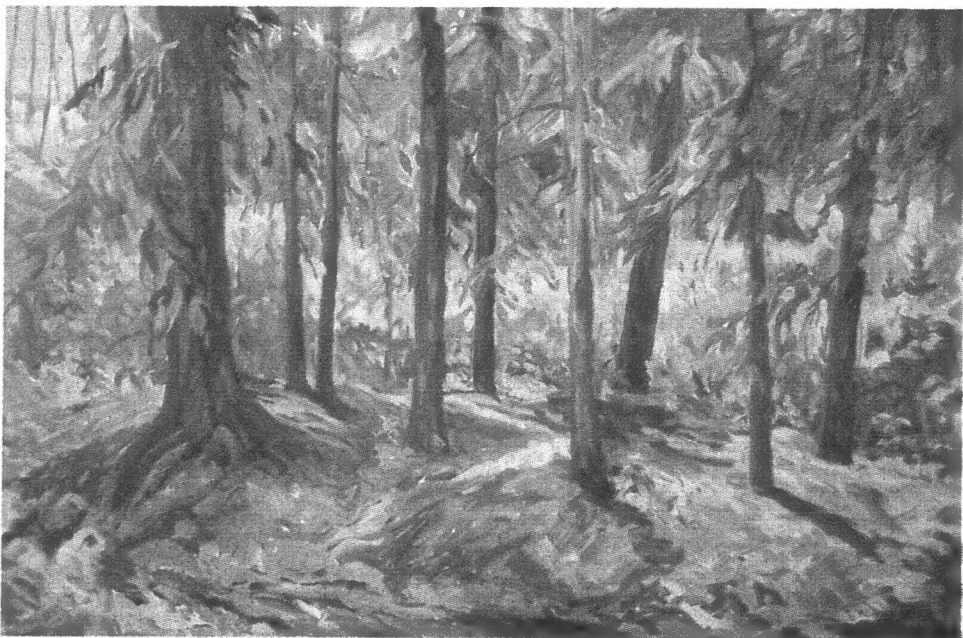
So will that certificate come spring. ■



Art and identity: "They're all saying: 'This is a Linda Wadley' now."



Rocks at Frank



Old Miners Path

Palms, people and professional development

Husband and wife team recall African odyssey during CIDA workshop

By Dr. Lee Foote and Dr. Naomi T. Krogman

Most academics dream of being invited to a fully supported workshop at a beautiful resort where the focus is on an issue of mutual interest to researchers from several countries. Of course we accepted the invitation when it came.

That's how we arrived at our camp and work area on a high hill in Ghonarezhou National Park, Zimbabwe where we watched antelope, buffalo and giraffe walk down to water each evening. The nightly visits by lions, elephants and various large reptiles kept us on our toes.

We were sequestered without phones, faxes, e-mail, or electricity (a small generator charged laptop computers); given an intensive primer on the issues relevant to the region, then encouraged to combine our professional expertise to tackle specific problems. Field support for translation, transport, tents and jeeps for fieldwork were provided under contract from the University of Zimbabwe. On the luxury side, gourmet meals were cooked on site by expert safari cooks, and though we slept on cots in tents, the wood-fired showers provided plenty of hot water.

Our task was threefold: 1) develop and compare two sets of economic estimation techniques to assess the value of palm products to the various village groups; 2) measure palm leaf and sap production rates, study plant ecology, and model the effects of light, medium and extreme harvesting; and 3) assess the sociological im-



Young leaves of African Ilala palm being split for weaving materials. Note palm hat.

pacts and implications of the use, marketing and income generation from palm products to enlighten future development plans.

The fieldwork consisted of interviews or surveys with villagers and measurements of palm stands. Throughout the project we remained committed to multi-disciplinary and data sharing approaches, so economists found themselves counting palm nuts and ecologists sometimes helped interview basket makers. By the end of the second week we had not only analyzed data sets and completed a first draft of our publication, but we had emerged with a much greater appreciation for the strengths and weaknesses of our sister disciplines.

Unlike Canada, the villagers we interviewed extract little construction grade wood from the forest. Rather they depend heavily on edible and medicinal plants, trapping small wildlife, some cattle grazing and limited agriculture. This is a drought-prone region that only receives crop-producing rains in one year out of five. This is why the ilala palm (*Hyphane petersiana*) is such an important plant to these people. The palm is a veritable larder of products. The tapped sap provides a sweet nutritious drink for children

before it quickly ferments into a potent palm wine called njemani. The young palm leaves are the mainstay of a growing basketry market; the mature leaves are used for thatching, broom-making, door and mat construction as well as fuel. These and other palm attributes such as binding soil, providing shade and as an emergency food for livestock make the ilala palm a key component of the informal economy of the region's villages.

Throughout the study we were impressed by the resourcefulness of the Shangaani and Ndebele peoples. They seem undaunted by the five km walk to get water each day; by hauling firewood in headloads; by the construction of houses and fences from branches, mud and thatch, and by the lack of a single automobile in the village. School children play soccer, women gather to sing and dance under shade trees (and laugh at our attempts to join a traditional boogie in the dust) and the teenagers who drag raced their donkey carts to the water pumps were, well...teenagers!

Though our days were filled with stimulating discussion, our jet lagged sleep schedule had us awakening obscenely early, but early enough for great pre-dawn bird watching and listening. The British have an unflattering word for birders: "Twitchers," because the archetypal obsessive / compulsive bird watcher hot on the trail of a long-tailed drongo or cuckoo shrike will sometimes twitch like a Chihuahua on cappuccino. We took several days off midweek to sample the charms of

the adjacent Ghonarezhou National Park and Malilangwe Conservation Area. In two days we recorded hundreds of observations of common and rare wildlife. Though we recognized many animals from books and previous zoo visits, many names seemed straight out of a Dr. Seuss book: hyrax, duiker, wildebeest, hartebeest, springbok, grysbok and kudu among many others. The bird life was spectacular in a twitchy sort of way, and we managed to identify 48 new species for our life lists.

This workshop was sponsored by the CIDA Tier II project "Agroforestry: Southern Africa," directed by Dr. Marty Luckert (U of A, Department of Rural Economy) and Dr. Bruce Campbell (U of Zimbabwe, Institute for Environmental Studies). The workshop was one in a series of five co-sponsored by CIDA and the Overseas Development Institute (ODI). Financial support comes from the UK Department for International Development (DFID). Invited scholars came from a suite of institutions and organizations including Oxford University, University of Alberta, and the South African Forestry Alliance. Themes continue to focus on agroforestry, rural economics and environmental impacts. The 1999 workshop will be held this May in Harare and will take a critical look at tree bark uses for medicines and marketable handicrafts.

Dr. Lee Foote is currently a visiting scholar in the Department of Renewable Resources.

Dr. Naomi Krogman is assistant professor of rural economy. ■

The nightly visits

by lions, elephants

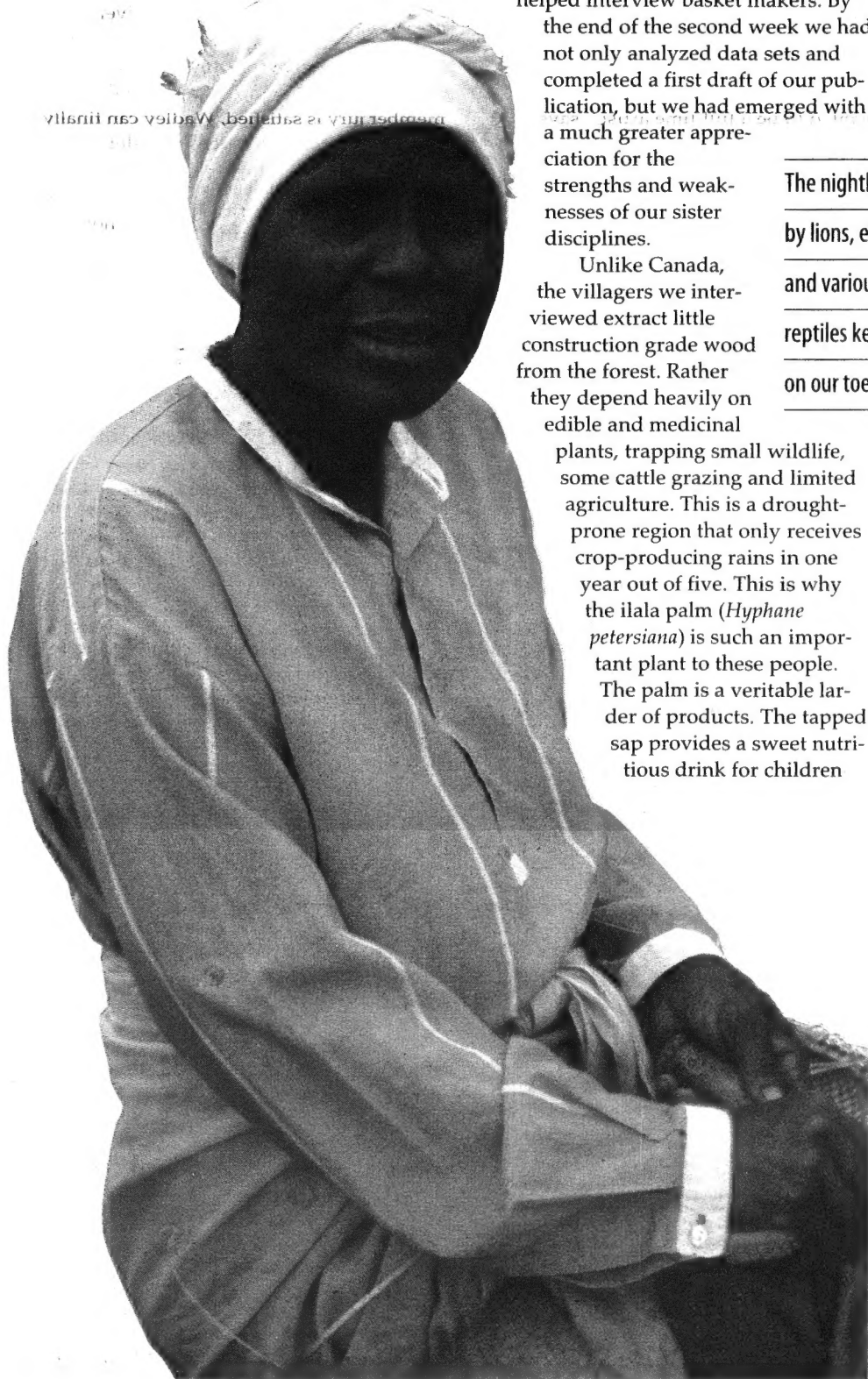
and various large

reptiles kept us

on our toes.



A family operation: sap tapping young palms for production of palm wine.



Weaving a winnowing basket from the Ilala palm leaves.



Palm and grass thatched houses in the Sengwe Communal area of Zimbabwe.

MCCALLA PROFESSORSHIPS: SMALL FACULTIES COMMITTEE

Applications are invited from continuing faculty from the Faculties of Extension, Law, Nursing, Pharmacy and Pharmaceutical Sciences, Physical Education and Recreation, Rehabilitation Medicine, Faculté St. Jean,

School of Native Studies, or Interdisciplinary Research Units.

These prestigious awards provide full-time teaching relief for the period September to April to enable recipients to pursue a research project in Edmonton.

Application information is available from dean's offices.

Applications must be received by the associate vice-president (academic) by December 1, 1998.

SEARCH FOR DEAN OF FACULTY OF ARTS

Dr. Pat Clements' second term as dean of the Faculty of Arts will end on June 30, 1999 and a selection committee has been established in accordance with university regulations. Dr. Clements has confirmed that she will not be a candidate for another term.

The vice-president (academic) and provost believes it is critical that members of the university community have the opportunity to convey their views to the committee. At this point in its deliberations, the selection committee needs your opinions on the leadership needs of the faculty in the years ahead, and other key issues. Individuals are asked to contact members of the committee to express their views on priorities of the faculty, current issues, and the future direction of the faculty. In order to facilitate the committee's work could we ask that you kindly send your suggestions on or about November 27, 1998 to: Doug Owrap, chair, 3-12 University Hall, or via email to doug.owram@ualberta.ca.

In addition, the committee invites names of individuals, who, in your view, would be excellent candidates for this position. The deadline date for applications is January 15, 1999.

A list of the current membership of the committee is also listed for your information.

Selection Committee Members for Dean—

Faculty of Arts:

Doug Owrap	doug.owram@ualberta.ca
Roger Smith	roger.smith@ualberta.ca
Mark Dale	mark.dale@ualberta.ca
Richard Field	rfield@gpu.srv.ualberta.ca
David Gramit	dgramit@gpu.srv.ualberta.ca
Desmond Rochfort	drochfort@gpu.srv.ualberta.ca
Linda Trimble	ltrimble@gpu.srv.ualberta.ca
Jo-Ann Wallace	jo-ann.wallace@ualberta.ca
Richard Young	richard.young@ualberta.ca
Michael Hoffman	michael.hoffman@ualberta.ca
Andrea Yearwood	alyl@gpu.srv.ualberta.ca
Audrey Jackson	audrey.jackson@ualberta.ca

DEAN OF MEDICINE AND ORAL HEALTH SCIENCES

Dr. Lorne Tyrrell's first term as dean of the Faculty of Medicine and Oral Health Sciences will end on June 30, 1999 and a selection committee has been established in accordance with university regulations. Dr. Tyrrell has indicated that he intends to seek a second term in office.

At this point in its deliberations, the selection committee has chosen to operate in two phases: the first will involve a review of the incumbent dean; and the second, will be consideration to move to a full search if necessary.

To begin the review phase, the vice-president (academic) and provost believes it is critical that members of the university community have the opportunity to convey their views to the committee. At this point, the selection committee needs your opinions on key issues. Individuals are asked to express their views on priorities of the faculty, current issues, leadership, and the future direction of the faculty. In order to facilitate the committee's work, we ask that you kindly send your suggestions on or about November 27, 1998 to: Doug Owrap, Chair, 3-12 University Hall, University of Alberta, phone: (403) 492-3443, or via email to doug.owram@ualberta.ca.

The decision about the leadership of the Faculty of Medicine and Oral Health Sciences is an important one, and vital to the success of the faculty. I would therefore ask that you all take the time, even at this hectic point in the academic year, to give some thought to the future of the faculty.

Your views are important to us. Please feel free to contact either myself, or any of the committee members. Thank you for your help.

Selection Committee Members for Dean—

Faculty of Medicine and Oral Health Sciences:

Doug Owrap	doug.owram@ualberta.ca
Roger Smith	roger.smith@ualberta.ca
Terry Davis	terry.davis@ualberta.ca
Fordyce Pier	fpier@gpu.srv.ualberta.ca
Larry Ohlhauser	albright@cpsa.ab.ca
Doris Kent	c/o Allin Clinic
	10155 - 120 Street T5K 2A2
Robert Bear	rbear@cha.ab.ca
Bill Sharun	c/o AB Dental Assoc
	503, 10025-106 Street T5J 1G4
Carol Cass	carol.cass@ualberta.ca
Wayne Raborn	wayne.raborn@ualberta.ca
Neil Brown	neil.brown@ualberta.ca
Garth Warnock	gwarnock@gpu.srv.ualberta.ca
Diane Taylor	diane.taylor@ualberta.ca
Phil Etches	petches@ualberta.ca
Kent Gibb	kent.gibb@ualberta.ca
Chris Winter	cwinter@gpu.srv.ualberta.ca
Diane Schimek	diane.schimek@ualberta.ca
Marsha Santerre	marshasanterre@hotmail.com

SEARCH FOR DEAN OF FACULTY OF NURSING

Marilyn Wood's second term as dean of the Faculty of Nursing will end June 30, 1999 and a selection committee has been established in accordance with university regulations. Dr. Wood has confirmed that she will not be a candidate for another term.

The vice-president (academic) and provost believes it is critical that members of the university community have the opportunity to convey their views to the committee. At this point in its deliberations, the selection committee needs your opinions on the leadership needs of the faculty in the years ahead, and other key issues. Individuals are asked to contact members of the committee to express their views on priorities of the faculty, current issues, and

the future direction of the faculty. In order to facilitate the committee's work could we ask that you kindly send your suggestions on or about November 18, 1998 to: Doug Owrap, Chair, 3-12 University Hall, or via email to doug.owram@ualberta.ca.

In addition, the committee invites names of individuals, who, in your view, would be excellent candidates for this position.

A list of the current membership of the committee is also listed for your information.

Selection Committee Members for Dean—

Faculty of Nursing:

Doug Owrap	doug.owram@ualberta.ca
Ron Kratochvil	ron.kratochvil@ualberta.ca
Helmy Sherif	sherif@phys.ualberta.ca
Helen Madill	helen.madill@ualberta.ca
Margaret Hadley	mhadley@cha.ab.ca
Laurie Douglas	laurie@icrossroads.com
Marion Allen	marion.allen@ualberta.ca
Terry Davis	terry.davis@ualberta.ca
Phyllis Giovannetti	phyllis.giovannetti@ualberta.ca
Anne Neufeld	anne.neufeld@ualberta.ca
Susan Duncan	sduncan@gpu.srv.ualberta.ca
Elaine Carswell	elaine.carswell@ualberta.ca

SEARCH FOR DEAN OF FACULTY OF PHARMACY AND PHARMACEUTICAL SCIENCES

Richard Moskalyk's second term as dean of the Faculty of Pharmacy and Pharmaceutical Sciences will end on June 30, 1999 and a selection committee has been established in accordance with university regulations. Dr. Moskalyk has confirmed that he will not be a candidate for another term.

The vice-president (academic) and provost believes it is critical that members of the university community have the opportunity to convey their views to the committee. At this point in its deliberations, the selection committee needs your opinions on the leadership needs of the faculty in the years ahead, and other key issues. Individuals are asked to contact members of the committee to express their views on priorities of the faculty, current issues, and the future direction of the faculty. In order to facilitate the committee's work could we ask that you kindly send your suggestions on or about November 27, 1998 to: Doug Owrap, Chair, 3-12 University Hall, or via email to doug.owram@ualberta.ca.

In addition, the committee invites names of individuals, who, in your view, would be excellent candidates for this position. The deadline date for applications is January 15, 1999.

A list of the current membership of the committee is also listed for your information.

Selection Committee Members for Dean—

Faculty of Pharmacy and Pharmaceutical Sciences:

Doug Owrap	doug.owram@ualberta.ca
Bill McBlain	bill.mcblain@ualberta.ca
Peter Steffler	pmsteffler@civil.ualberta.ca
David Chanasysk	david.chanasysk@ualberta.ca
Brad Willsey	bwillsey@cha.ab.ca
Marcel Romanick	romanick@gpu.srv.ualberta.ca
Fakhreddin Jamali	fjamali@pharmacy.ualberta.ca
Jeffrey Johnson	jajohnson@pharmacy.ualberta.ca
Edward Knaus	eknaus@pharmacy.ualberta.ca
Yun Tam	ytam@pharmacy.ualberta.ca
Lisa Schapansky	lschapansky@pharmacy.ualberta.ca
Gordon McRae	gmcrae@pharmacy.ualberta.ca

REVIEW COMMITTEE FOR DEAN OF REHABILITATION MEDICINE

Dr. Albert Cook's first term as dean of the Faculty of Rehabilitation Medicine will end on June 30, 1999 and a review committee has been established in accordance with university regulations. Dr. Cook has indicated that he intends to seek a second term in office.

The vice-president (academic) and provost believes it is critical that members of the university community have the opportunity to convey their views to the committee. At this point in its deliberations, the review committee needs your opinions on key issues. Individuals are asked to express their views on priorities of the faculty, current issues, leadership, and the future direction of the faculty. In order to facilitate the committee's work, would you kindly send your suggestions on or about November 27, 1998 to: Doug Owrap, Chair, 3-12 University Hall, University of Alberta, phone: (403) 492-3443, or via email to doug.owram@ualberta.ca.

In addition, a public forum with the dean is scheduled for November 23 at 3:00 p.m. in 2-07 Corbett Hall. Members from the university community are welcome to attend.

A list of the current membership of the committee is also listed for your information.

Review Committee Members: Faculty of Rehabilitation Medicine

Doug Owrap	doug.owram@ualberta.ca
Bill McBlain	bill.mcblain@ualberta.ca
David Cass	d.cass@ualberta.ca
Eugene Lechelt	elechelt@psych.ualberta.ca
Cindy McLean	aaot@planet.eon.net
Connie Alton	calton@cha.ab.ca
Bernice Malone	c/o Capital Care
	6215-124 Street T6H 3V1
Brent Kassian	CapRehab@oanet.com
Michele Crites-Battie	mc.battie@ualberta.ca
Susan Haske	sue.haske@ualberta.ca
Joyce Magill-Evans	joyce.magill-evans@ualberta.ca
Phyllis Schneider	phyllis.schneider@ualberta.ca
Kevin Van Es	kvanes@gpu.srv.ualberta.ca
Al Fleming	al.fleming@ualberta.ca



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The quest for life on Mars

By Geoff McMaster

Dr. Richard Zare's search for extraterrestrial life began while examining what he calls "shmoetz from outer space," interplanetary dust that falls to earth at the rate of about 40,000 tons per year. Impressed with Zare's chemical analysis of the dust, NASA's Johnson Space Centre sent him some rocks about four years ago and asked him to do a similar work-up.

"I had no particular interest in these rocks—I didn't even know what they were," he says.

So the Stanford chemist procrastinated, NASA nagged, and finally he complied with their request. "Then they got all excited and they told me these rocks are from Mars, part of a meteorite that came to Antarctica in 1984...I was shocked."

What Zare had discovered on the meteorite, blasted from Mars some 15 million years ago, was carbonate globules, possibly a sign of "some bio-genic process." He had also found "bio-minerals" and what appear to be microscopic fossils of primitive, bacteria-like organisms. Less conclusive were isotopic distributions and chemical elements out of equilibrium, conditions occurring in the presence of life. Detecting many of these features has been possible only in the last few years with advances in high-resolution scanning electron microscopy and laser mass spectrometry.

Zare is the Stanford University leader of a NASA team of scientists investigating the possibility life existed on Mars more than 3.6 billion years ago. He was on campus last week to present his case as part of the chemistry department's Gunning lecture series.

While some of his evidence is striking, Zare is cautious about jumping to conclusions, insisting "each one of these lines of evidence I'm telling you I can counter. There seem to be true believers on both sides of this issue," he says. "But when you become a believer of one side or the other, you stop doing science."

One the one hand, says Zare, are those who say there's simply no reason to believe in any form of life other than what you find on earth, and that scientists searching for it elsewhere are "just involved in hyping the NASA budget." On the other are those "who tell you the matter is so compelling that how can there be any doubt, life must be a cosmic imperative."

Where's the level-headed middle ground?

To be successful in science you have to be content to have a dual personality, says Zare, "in that you simultaneously believe and disbelieve. Some people are not content to live a life with ambiguity as much as I do."

"[Life] is to me the most plausible explanation, but just because I regard it as most plausible doesn't mean it's true, and so this is a hard story generally to get across. People want to know yes or no."

What's important about the very quest for Martian life, says Zare, is that it's changed our view of life in general and has made us "with great humility, understand how little we even know about life on earth."

Until recently it was believed photosynthesis was necessary to sustain life. But since, as some believe, the meteorite likely came from deep underground where there is no sunlight or photosynthetic food source, life on Mars would have to have existed without exposure to sunlight.

Here on Earth, Zare points to recently discovered hypo-thermal deep sea vents, which have their own ecosystems with creatures that do not use photosynthesis or oxygen. "That makes you wonder again about the nature of life."

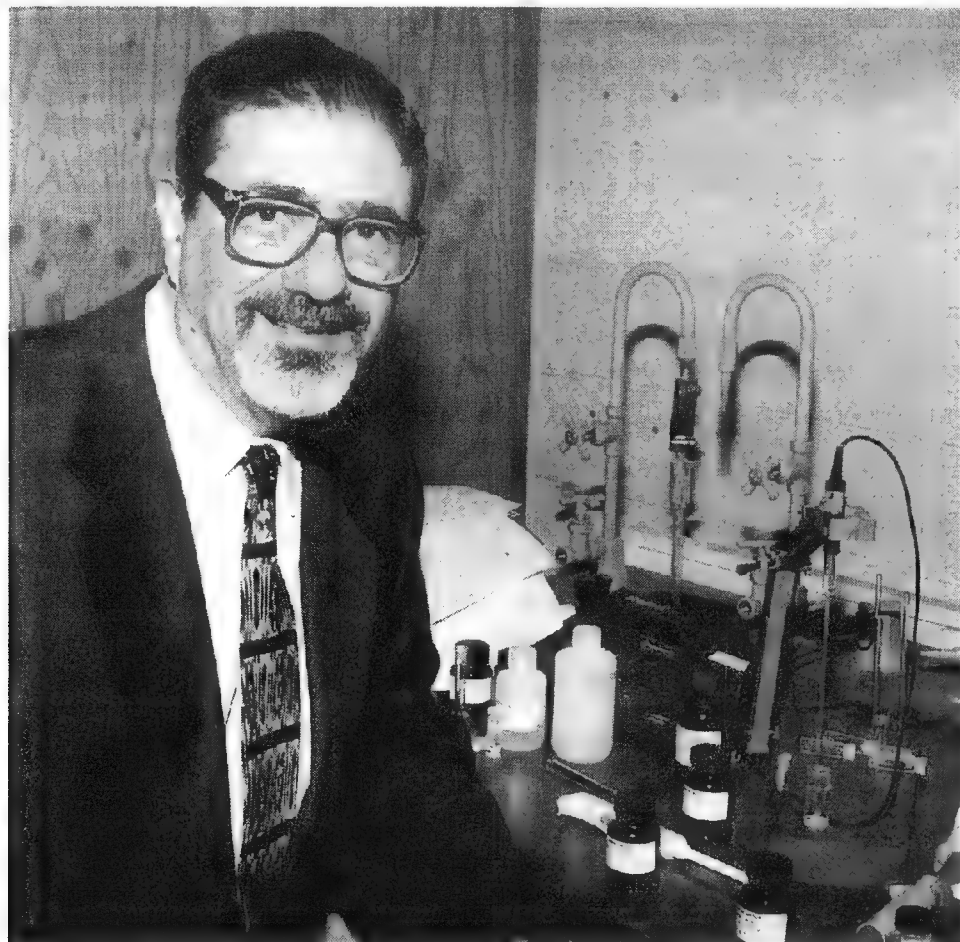
All this questioning may not be all that satisfying for those who need answers. But Zare does say with some assurance that they're not far off.

"We're living in a great age. Fasten your seat belts and prepare yourselves for a bumpy ride but a very exciting one." ■

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- Structures that could be microscopic fossils
- Evidence the planet was once warm and wet, conditions favorable to supporting life

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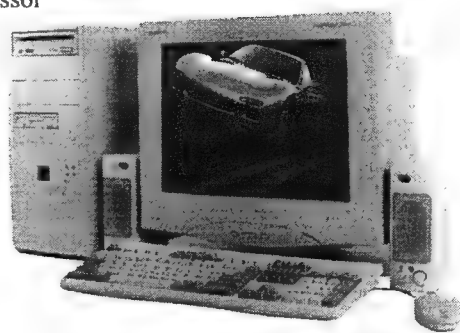
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ADDICTIONS STUDIES

November 18, 7:00 p.m.

Harold Wynne, "Gambling Addiction: A State of the Art Review." 1-29 Education South

ALBERTA CANCER BOARD

November 17, 7:30 p.m.

Grant MacLean, "Cancer Vaccines for Therapy of Cancer - Recent developments focus on an important concept-improving survival." Zane Feldman Auditorium, Cross Cancer Institute, 11560 University Avenue.

ART & DESIGN

November 18, 5:00 p.m.

Al McWilliams, Visiting Artist, presents his works. Humanities Lecture Theatre 1

November 26, 5:00 p.m.

Ellen Dissanayake, "Why the Arts are Necessary." Tory Lecture Theatre B2

BIOCHEMISTRY

November 12, 4:00 p.m.

Carla Koehler, University of Basel, "A New Mitochondrial Import Pathway for Polytopic Inner Membrane Proteins." 6-28 Medical Sciences Building

November 13, 2:00 p.m.

Stephen Blacklow, Harvard Medical School, "Determinants of folding and structure in ligand-binding modules of the LDL receptor." 2-07 Heritage Medical Research Building

BIOLOGICAL SCIENCES

November 13, 2:30 p.m.

Robert E. Shadwick, "How do fish swim. Muscle dynamics from trout to tunas." Room 128 Physics V-Wing

November 19, 4:00 p.m.

Hugh Danks, Canadian Museum of Nature, "Diversity of Terrestrial Arthropods in the Nearctic Region." Tory Breezeway 1

November 26, 4:00 p.m.

James Tansy, "Host selection and aggregation behaviour in the spurge-feeding flea beetle, *Aphthona nigricutis*." Tory Breezeway 1

November 27, 2:30 p.m.

Carol Cass, "Nucleoside transporter proteins: an overview of two new membrane protein families with representatives in bacteria, yeast, nematodes, rodents and humans." Room 128 Physics V-Wing

ECOLOGY

November 13, noon

Ellen MacDonald, "Are riparian forests ecologically unique? An analysis at the stand and landscape scales." G-116 Biological Sciences Building

November 20, noon

Daria Maksimowich, Brian Eaton and Norine Ambrose, "Amphibian anthology: zig-zag salamanders, frog-eating flies, and cow pies." G-116 Biological Sciences Building

November 27, noon

John Clare, "The effect of solar ultraviolet radiation on small stream ecosystems: interactions with forestry and eutrophication." G-116 Biological Sciences Building

MOLECULAR BIOLOGY & GENETICS RESEARCH GROUP

November 20, 3:30 p.m.

Mariana Wolfner, "Seminal influences: male-derived proteins cause sperm storage, egg-laying and physiological changes in mated female *Drosophila*." Sponsored by the Alberta Heritage Foundation for Medical Research (AHFMR). G-116 Biological Sciences Building

November 27, 3:30 p.m.

Deborah Hoshizaki, "Genetic control of fat cell differentiation in *Drosophila*." Sponsored by the Alberta Heritage Foundation for Medical Research (AHFMR). G-116 Biological Sciences Building

PHYSIOLOGY & CELL DEVELOPMENTAL BIOLOGY

November 18, 12:00 noon

Shelagh Campbell, "Regulation of the embryonic cell cycle by Wee1 kinases in *Drosophila*." B-105 Biological Sciences Building

November 25, 12:00 noon

Anne Flanagan, "Vern: Breaking the linkage between vernalization and freezing tolerance in winter brassica." B-105 Biological Sciences Building

BIOMEDICAL ENGINEERING

November 18, 5:30 p.m.

Warren Findlay, "Recent Research on the Delivery of Therapeutic Agents to the Lung by Inhalation of Aerosols." 231 Civil & Electrical Engineering Building

CANADIAN FEDERATION OF UNIVERSITY WOMEN (EDMONTON)

November 16, 7:00 p.m.

Mary Lou Cranston & Erin Nelson, "Feminist Issues in Bioethics." Faculty Club

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

November 16, 3:30 p.m.

Wsevolod Isajiw, University of Toronto, "Multiculturalism and the Future of the Ukrainian Community in Canada." 352 Athabasca Hall

CELL BIOLOGY

November 18, 10:00 a.m.

Yukio Fujiki, Kyushu University, Japan, "Peroxisome assembly in mammalian cells and in the peroxisome biogenesis disorders." Seminar Room 5-10 Medical Sciences Building

November 27, noon

Edward Chan, The Scripps Research Institute, "Structure and function analysis of golgin-97: member of a new family of coiled coil-rich autoantigenic proteins of the Golgi complex." Seminar Room 5-10 Medical Sciences Building

CENTRE FOR HEALTH PROMOTION STUDIES

November 12, noon

Cameron Wild, "When do people experience empowerment? Lessons learned from Self-determination theory." 2-76 Education

November 26, noon

Miriam Stewart, "Social Support as a determinant of Health: Insights from two national funded research programs." 2-76 Education

CENTRE FOR RESEARCH IN CHILD DEVELOPMENT

November 20, 1:00 p.m.

Sheree Kwong See & Maarit Christall, "Children's Views of Aging." P-218 Biological Sciences Building

November 27, 1:00 p.m.

Linda Phillips & Stephen Norris, "Ought Literacy to be found in Scientific Literacy?" P-218 Biological Sciences Building

CENTRE FOR RESEARCH FOR TEACHER EDUCATION AND DEVELOPMENT

November 19, 4:30 p.m.

Robert Stake, University of Illinois, "Teacher Evaluation." 2-115 Education North

CHEMICAL & MATERIALS ENGINEERING

November 23, 3:30 p.m.

Dr. Eiichi Kikuchi, Waseda University, Tokyo, "Inorganic Membranes and Their Application to Membrane Catalytic Reactors." 344 Chemical & Materials Engineering Building

November 24, 3:30 p.m.

Dr. Eiichi Kikuchi, Waseda University, Tokyo, "Selective Catalytic Reduction of Nitrogen Oxides: A New Environmental Catalysis." 344 Chemical & Materials Engineering Building.

November 19, 3:30 p.m.

Mingqian Zhang, "Characterization of Linear Low Density Polyethylenes by TREF, DSC, and GPC." 343 Chemical & Materials Engineering Building.

COMPUTING SCIENCE

November 20, noon

Rob Holte, University of Ottawa, "Hierarchical A* using Multiple Abstractions." 619 General Services Building.

EARTH & ATMOSPHERIC SCIENCES

November 13, 3:00 p.m.

Maja Buschkuhle & Catherine Skilliter, "Indications for tectonically induced fluid flow into the Rocky Mountain foreland basin - with implications for petroleum exploration." 3-36 Tory Building

November 20, 3:00 p.m.

Scott Lamoureux, Queen's University, "Reconstructing past variations in hydroclimatic conditions in the Canadian High Arctic: linking lake records to hydroclimatic monitoring and process geomorphology." 3-36 Tory Building

November 27, 3:30 p.m.

Sandra Jasinoski, "Discovering Palaeontology: My Work Experiences at the Royal Tyrrell Museum of Palaeontology." 3-36 Tory Building,

ECONOMICS

November 17, 3:30 p.m.

Tim Hazledine, University of Auckland, "Wrong Model!: The Failure of New Zealand Economic Reforms" 8-22 Tory Building

ENGLISH

November 17, 3:30 p.m.

Stuart Curran, University of Pennsylvania, "Authorising the Daughter in the Romantic Age." Humanities Lecture Theatre 3

November 18, 4:00 p.m.

Stuart Curran, University of Pennsylvania, "Dynamics of Female Friendship in the Later Eighteenth-Century." Humanities Lecture Theatre 3

November 24, 3:30 p.m.

Stuart Curran, University of Pennsylvania, "Presentation and Internet Seminar: Ypertext Edition of Frankenstein." Humanities Lecture Theatre 3

November 25, 4:00 p.m.

Stuart Curran, University of Pennsylvania, "Paradise Lost and Frankenstein." A research seminar. Humanities Lecture Theatre 3

events

ENVIRONMENTAL RESEARCH & STUDIES CENTRE

November 18, 4:30 p.m.

Michael Apps, Canadian Forest Service, "Carbon Storage in Boreal Forests: Ageless, Timeless or Transitory? Can human activities make a difference."

Alumni Room, SUB

November 25, 7:30 p.m.

Peter Lee, World Wildlife Fund, "Is there a Future for Alberta's Natural Heritage?" and Fred Vermeulen, "Alberta's Last Great Wilderness." Provincial Museum Theatre. Tickets: \$8.00

LAW

November 17, noon

James Penner, London School of Economics, "Incompletely Theorised Agreements in Legal Reasoning: Political and Cognitive Explanations." 448 Law Centre

NURSING

November 26, noon

Jeanette Boman, "Evaluation of Students - Constructive Feedback (CBL & otherwise)." 6-102 Clinical Sciences Building

PHILOSOPHY

November 20, 3:30 p.m.

Tim Kenyon, "Mind-Dependence and Supervenience." 4-29 Humanities Centre

PHYSICS

November 13, 3:15 p.m.

Robert Beck Clark, Texas A & M University, "Adventures in Physics Education" V-129

PHYSIOLOGY

November 13, 3:30 p.m.

Timothy Kieffer, "Leptin Actions on Pancreatic Beta-cells." 207 Heritage Medical Research Centre

PRAIRIE CENTRE OF EXCELLENCE FOR RESEARCH ON IMMIGRATION AND INTEGRATION

November 17, 10:00 a.m.

Wsevolod Isajiw, University of Toronto, "Relevant Research on Immigration and Ethnicity." 5-20 Humanities Centre

November 17, 3:30 p.m.

Wsevolod Isajiw, University of Toronto, "When do Immigrants Become Integrated?" Mennonite Centre for Newcomers (#100, 10010-107A Avenue)

PUBLIC HEALTH SCIENCES

November 18, noon

Gus Thompson, "Relative Age Effects on Sports Performance, School Achievement, and Suicide." 2F1.04 Walter MacKenzie Health Sciences Centre

November 25, noon

Ken Froese, "Formation, Fate and Exposure: Evaluation of the Swan Hills Incinerator." 2F1.04 Walter MacKenzie Health Sciences Centre

RENEWABLE RESOURCES

November 19, 12:30 p.m.

Wayne McKee, Syncrude Canada, "Oil Sand Environmental Research and the TERRE Program." 2-36 Earth Sciences Building

November 26, 12:30 p.m.

Michael McKinnon, Syncrude Research Centre, "Water Management Issues at Oil Sands Operations: Effects on Reclamation." 2-36 Earth Sciences Building

SIGMA XI

November 25, 7:45 p.m.

Edward Lozowski, "Usable Science: El Nino and Climatic Variations." 2-07 Corbett Hall

SOCIOLOGY

November 17, noon

Wsevolod Isajiw, University of Toronto, "Study of Minority Challenge to Majority Identity." 5-15 Tory Building

November 20, 11:00 a.m.

Bali Ram, Statistics Canada, "Current issues in family demography." Tory Breezeway 2

November 20, 2:30 p.m.

Bali Ram, Statistics Canada, "Employment and Research Prospects in Statistics Canada." 5-21 Tory Building

UNIVERSITY TEACHING SERVICES

November 16, 4:00 p.m.

Erhan Erkut, "On-line, Multi-Location Exams with Semi-Automated Grading." 281 Tory Lecture Theatre B-2

November 23, noon

Anil Walji, "Large Group Interactive Teaching and Learning Formats - Innovation in the Classroom." Tory Breezeway 2

November 23, 3:00 p.m.

Edwin Cossins, "Facing the Responsibilities of University Teaching." (for graduate students) 281 CAB

November 24, 3:30 p.m.

Stanley Varnhagen, "Hitting a Moving Target: Issues in Appropriately and Accurately Assessing Innovative Instruction." 281 CAB

November 25, 3:00 p.m.

Wendy Austin, "Psyche's Tasks: Finding Ways to Care for Oneself in the Workplace." 281 CAB

CAREER AND PLACEMENT SERVICES

CAREER FAIR

November 19, 1:30-7:00 pm

Career opportunities will be featured in all health-related fields: Occupational Therapy, Physical Therapy, Speech and Audiology, Nursing, Medicine, Physical Education & Recreation, Health Administration, Dentistry, Dental Hygiene, & Pharmacy. Dinwoodie Lounge, 2-000 Students' Union Building. Admission is Free. For information call 492-4291.

CAREER FORUMS IN HEALTH CARE

November 17, 6:00 pm

Health Promotions, 4-02 Students' Union Building

November 18, 6:00 pm

Nursing, 2-41 Corbett Hall

November 18, 6:00 pm

Occupational Therapy, 2-07 Corbett Hall

EXHIBITIONS

BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

to December 31

"Adversaria: Sixteenth-Century Books and the Traces of their Readers" and "The Book of Nature: the Eighteenth Century & the Material World", Hours: Mon-Fri 8:30-4:30 pm

FAB GALLERY

November 17-29

An exhibition of works by Nancy Fox and Maggie DoRego, MFA printmaking. Opening Reception: November 19, 7:00 pm. Gallery hours: Tues to Fri 10 to 5, Sun 2-5 pm. 1-1 Fine Arts Building

MUSIC

DEPARTMENT OF MUSIC

November 17, 8:00 pm

The University of Alberta Symphonic Wind Ensemble Concert with Ross Sheppard Composite High School Band directed by Fordyce Pier. Convocation Hall, Arts Building. Admission: \$7/adults, \$5/students & seniors

November 20, 8:00 pm

Opera Scenes, directed by Alan Ord. Convocation Hall, Arts Building. Admission: \$7/adults, \$5/students & seniors

November 22, 3:00 pm

The University of Alberta Concert Band Concert directed by Frank Dunnigan. Convocation Hall, Arts Building. Admission: \$7/adults, \$5/students & seniors

November 22, 7:00 pm

Piano workshop with Boris Berman, Convocation Hall, Arts Building. Cosponsored by the Alberta Registered Music Teachers' Association. Admission: \$8.00

November 22, 8:00 pm

The University of Alberta Concert Choir, conducted by Debra Cairns, presents Vaughn Williams' 'Fantasia on Christmas Carols' and works by Schein, Gorecki, Kodaly and others. Robertson-Wesley United Church (10209-123 Street). Admission: \$7/adults, \$5/students & seniors

November 23, noon

Noon-hour Organ Recital by students and guests of the Department of Music. Convocation Hall, Arts Building. Free admission.

November 23, 8:00 pm

Visiting Artist Recital featuring Boris Berman, piano. Convocation Hall, Arts Building. Admission: \$10/adults, \$5/students & seniors. Co-sponsored by Alberta Registered Music Teachers' Association.

November 27, 8:00 pm

The University of Alberta Madrigal Singers Christmas Concert, conducted by Leonard Ratzlaff. All Saints' Anglican Cathedral (10035-103 Street). Admission: \$7/adults, \$5/students & seniors

FACULTY CLUB

November 19, 6:00 pm

An evening with the Edmonton Symphony Orchestra's Maestro Grzegorz Nowak. Music, dinner and a talk. Faculty Club. Admission: \$16.75. For reservations, call 492-4231.

RECEPTION

ACADEMIC WOMEN'S ASSOCIATION

November 18, 4:30 pm

Wine and Cheese Reception, Faculty Club. Tickets: \$6.00 at the door. RSVP 492-5910.

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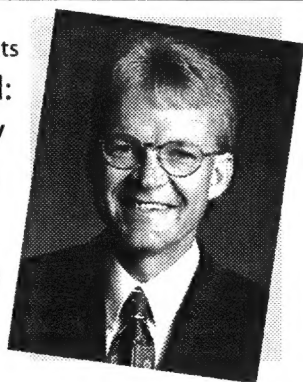


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10:15 - noon	Keynote address by David Irvine
Noon	Luncheon
1:00 - 4:00 pm	Interactive workshop
4:00 - 6:00 pm	Wine and cheese - draw for grand prizes

For more info, contact: Elsie Mahé · Human Resource Services · 2-40 Assiniboia Hall · Phone: 4350 · Fax: 3800 · E-mail: elsie.mah@ualberta.ca



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The Office of Alumni Affairs requires a creative professional who brings proven communications expertise to our team. The communications associate provides hands-on communications support (writing, editing, graphic design, desktop publishing) to initiatives of the University of Alberta Alumni Association and Office of Alumni Affairs. This includes contributing to all aspects of the publishing of the university's award-winning alumni magazine, *New Trail*, as its associate editor.

The ideal candidate holds a university degree (or related post-secondary diploma) with a strong communications emphasis; has excellent writing and editing skills; and has a working knowledge of graphic design, desktop publishing, and print production. Knowledge of electronic communication media, experience in an educational setting, and a background in journalism would be assets.

Salary will start at \$34,068 per annum, supplemented by a comprehensive benefits program. The deadline for application is December 4, 1998.

Résumés should be forwarded to

Office of Alumni Affairs
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DIRECTOR OF THE SEXUAL ASSAULT CENTRE

OFFICE OF THE DEAN OF STUDENTS

The Office of the Dean of Students at the University of Alberta invites applications for the position of Director of the University of Alberta Sexual Assault Centre (SAC). Reporting to the Dean of Students, the Director will be responsible for carrying out the mission statement of the Centre and ensuring that the objectives of the Sexual Assault Centre are carried out in an effective and efficient manner.

The SAC Mission Statement is as follows:

The University of Alberta Sexual Assault Centre provides a safe place on campus where unconditional support, confidentiality, respect, and advocacy are available for those affected by sexual assault. The U of A Sexual Assault Centre strives for a campus community free of sexual violence.

The successful candidate will possess a strong understanding of the issues surrounding sexual assault and be sensitive to the needs of survivors seeking support from the centre. Specific duties of the successful candidate will include the following: short-term counseling of survivors; advocacy and support for clients seeking involvement from hospitals or legal resources; acting as liaison to campus administration, campus security, police and commu-

nity officials; recruitment, training, and management of a forty person volunteer base in addition to two part-time student Education Coordinators; designing and implementing an education and awareness program for campus and the greater community; forecasting and managing the department budget; and designing and implementing an effective marketing plan. The successful candidate will demonstrate excellent oral, written, and interpersonal communication skills. Knowledge of computers and the university community are definite assets. This APO position has a salary range of \$32,900 to \$49,500.

The acting incumbent will be a candidate for this position.

Applicants are welcome to submit a resume and covering letter by

Friday, November 27, 1998 to

Kevin Friese
Executive Assistant to the Dean of Students
Dean of Students Office
2-817 Students Union Building
University of Alberta
Edmonton, Alberta, T6G 2J7
Phone: (403) 492-9586 Fax: (403) 492-6701
Web: www.ualberta.ca/~uss1

ASSISTANT/ASSOCIATE PROFESSORS FACULTY OF REHABILITATION MEDICINE

The Faculty of Rehabilitation Medicine is looking to hire one assistant/associate professor speech-language pathology in voice and resonance and another assistant/associate professor in aphasia, dementia and TBL.

These are tenure-track positions. Required: doctorate in speech-language pathology or related discipline; evidence of research and teaching potential. Eligibility for certification by the Canadian Association of Speech-Language Pathologists and Audiologists or ASHA is desirable. Primary duties: research, teaching, and supervision of masters and doctoral students.

Rank and salary commensurate with qualifications and experience. Starting date: July 1999 (negotiable). Applications should be received by Jan. 15, 1999, but will be accepted until the positions are filled. Send CV, reprints of representative publications, names of three referees and statements of teaching/research interests to

Dr. Albert Cook,
Dean, Faculty of Rehabilitation Medicine
3-48 Corbett Hall
University of Alberta
Edmonton, Alberta T6G 2G4
Phone 403-492-5991
Fax: 403-492-1626.

Department representatives will be available at ASHA Placement Centre for preliminary interviews.

RUTHERFORD AWARD FOR EXCELLENCE IN UNDERGRADUATE TEACHING

The GFC Undergraduate Teaching Awards Committee (UTAC) announces to the university community that nominations are now being sought for the annual Rutherford Award for Excellence in Undergraduate Teaching.

The purpose of the Rutherford Award is to recognize excellent teaching, to publicize such excellence to the university and the wider community, to encourage the pursuit of excellence in teaching, and to promote informed discussion of teaching and its improvement at the University of Alberta.

Nominations are made by faculties that teach undergraduate students, and information about the nomination procedures and adjudication criteria has been sent to those faculties. Nominations should be made through a faculty

committee and submitted by the faculty to the secretary of UTAC, 2-5 University Hall. Anyone who needs assistance and advice in preparing nominations should contact Ms. Bente Roed, director, University Teaching Services, 215 Central Academic Building (492-2826). The deadline for receipt of award nominations is Friday, February 19, 1999 at 4:30 p.m. In most cases, individual faculties have established earlier deadlines to allow for internal adjudication procedures.

At least one award, but not more than five, is given annually. Award recipients are publicly recognized at a special occasion, at Convocation, and at the Celebration of Teaching and Learning. They also receive a memento and a cash prize of \$2,500.

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CRESTWOOD, January 1-March 31, 1999. Retired professor's furnished, three bedroom, two bathroom home. Ten minutes university. \$500/month including utilities. No pets. Nonsmokers. References. 452-8224.

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112 St. For more information, email: post@ualberta.ca, visit our Web site www.extension.ualberta.ca/it or call 492-6489.

MUSEUMS AND COLLECTIONS PUTS ART LOANS ON HOLD

The Art Loan Program of Museums and Collections Services will be temporarily closed until April 1, 1999. This temporary closure is due to inadequate resources for Art Loan Program delivery. Museums and Collections Services staff also needs time to assess the current situation, including a 2.5-year backlog of requests, in order to reinstate an effective program.

In the interim, the campus community is asked to hold all new requests for art loans until further notice. Requests to move objects already on loan to an area will still be handled.

CHAIR SELECTION COMMITTEES, FACULTY OF SCIENCE

Chair selection committees for the Department of Earth and Atmospheric Sciences and the Department of Mathematical Sciences have been established. Suggestions and comments to these committees are to be made before Friday, Nov. 27, 1998 by writing to Dr. R. E. Peter, dean, Faculty of Science, CW223 BioSciences.



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notices

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RETIREMENT CELEBRATION FOR DR. TERRY FLANNIGAN

Dr. Terry Flannigan, associate vice-president (external affairs), is retiring—again. After a hugely successful U of A fund-raising campaign, Flannigan says this time it's for good. To wish him farewell, a reception will be held Wednesday, Nov. 25, 1998, 4:30 to 6:30 p.m., upper level, Faculty Club, University of Alberta.

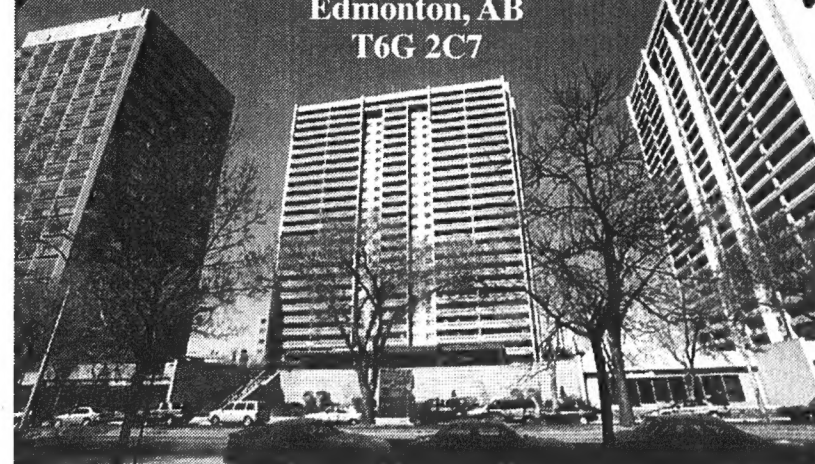
If you wish to contribute towards a gift or have mementos or anecdotes you are willing to share, please contact David Norwood, 3-13A University Hall, (david.norwood@ualberta.ca) or phone 492-4730. If you're able to attend, please RSVP to David by November 20.

INFO-TECH PROGRAM INFORMATION SESSION

Interested in applying your computer expertise to the field of information technology? Beginning in January 1999, the Program in Object-oriented Software Technology (POST) will offer both full-time and part-time study to people interested in a career in this growing field. This program, offered through the Faculty of Extension, will explore a number of areas including C++ and Java programming, database analysis and design, Powerbuilder, Visual Basic, and Internet design and integration.

The POST program will hold two program information sessions Thursday, Nov. 12, 7 to 9 p.m. and Sat. Nov. 14, 11 a.m. to 12:30 p.m. They will be held in Room 2-02 at the University Extension Centre, 8303-

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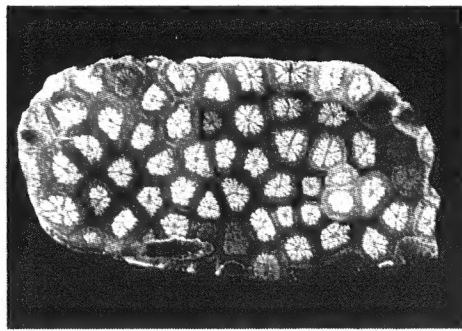
"Making special"

By Geoff McMaster

According to Ellen Dissanayake, true art is no luxury. Nor is it merely a secondary pastime, part of the "superstructure" of a developed culture, or something a talented few take up while the rest of us get on with the business of survival.

The impulse to "make special" is in our blood, encoded in our genes, she argues. It is as crucial to our survival as food, shelter and warmth.

"It goes way back to our earliest roots. We have DNA that tells us to be artists, and art educators see that in children,"



Coral specimen found in possession of primitive man, 250,000 years ago.

she says. "Art therapists see it in prisoners, geriatrics, juvenile delinquents, and people in inner cities. They see what the arts can do once released in people."

Invited by the Faculty of Arts to spend the term at the U of A as a distinguished visitor, Dissanayake was sponsored by no less than nine departments. With three books—one in press and another in its fourth printing—she has lectured and taught all over the world (her résumé lists 70 conference and guest appearances). And yet because of the interdisciplinary nature of her inquiry—bridging the sciences and humanities—she has no department to call home.

"I'm a true interdisciplinarian...I don't fit into art history, anthropology, biology, psychology or aesthetics as a specialist. In order to be a professor in any one of those departments you need a specialist degree. I've devoted my time to bringing these



Ellen Dissanayake

things together rather than specializing in one field."

Dissanayake's approach begins with a Darwinian view that primitive human-kind found bright colors, symmetry and melodious sounds attractive because they indicated reproductive potential. The fittest survived partly because they could recognize and take pleasure in beauty.

But competition is by no means the whole story, she says. Nor is the idea that art is the product of individual self-expression. Making art lends cohesion to societies, helping them survive through co-operation and participation. The current "modern malaise" has come about because we generally ignore this essential human need, she says. We don't really value art as a society beyond the unengaged consumption of popular culture.

"People don't make things with their hands anymore, and don't have time to contemplate their experience. Art is not communal. The only art that expresses our values is advertising, movies and one cheap thrill after another...In the general society, we don't see that art matters very much."

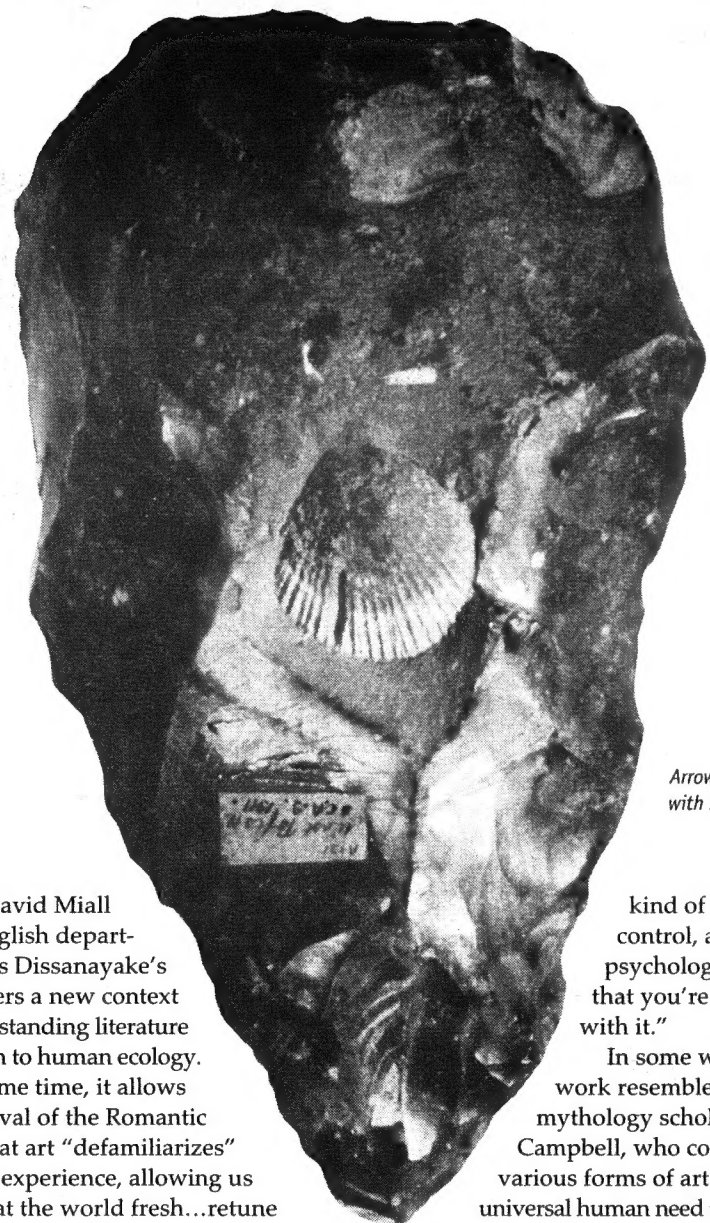
Dr. David Miall of the English department says Dissanayake's work offers a new context for understanding literature in relation to human ecology. At the same time, it allows for a revival of the Romantic notion that art "defamiliarizes" ordinary experience, allowing us to "look at the world fresh...retune our cognitive frames and re-situate our feelings to provide new directions for looking at the self."

"What Ellen is able to show is that art has an evolutionary explanation," he says, "which I don't think any of us have seen before." She also "points out how important it is from the very early years to have direct engagement in artistic activities."

In pre-modern society, says Dissanayake, the extraordinary was performed collectively in ceremonial rituals that made the everyday special. "People would dress up, sing and dance and make their environment unusual. Ceremony is, among other things, a collection of art. The world is bracketed and framed from the ordinary world outside. The very formalization of these ceremonies gave a



Petroglyph from John's Canyon, UT, dated 1050-1250 AD.



Arrowhead decorated with shell.

kind of sense of control, a kind of psychological sense that you're coping with it."

In some ways her work resembles that of mythology scholar Joseph Campbell, who contends that various forms of art reflect a universal human need to transform experience into grand narratives, mythic patterns and magic. In other words, art reminds us we are part of a social unit, that we are better able to survive because we share a sometimes extraordinary view of life.

"I think that's the selective value," says Dissanayake. "Individuals who believed with other people in a group that they had some kind of control over the circumstances of their lives would have persisted better than individuals in groups who just did their own individual thing." ■



Petroglyph - Courthouse Wash, UT, 17-18th century.



Maasai (Kajiado Warriors) with shields and spears.

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